Publicações revistas por pares – Apoios à Investigação Científica 1994/95
Peer-reviewed publications – Grants for Scientific Research 1994/95

07/94 – "Abordagem intergeracional da organização bio-comportamental e representacional da vinculação em mães e filhos: Estudo preliminar"
Investigadores/*Researchers*: Isabel Soares, Pedro Lopes dos Santos, Maria Carolina Costa e Silva
Instituição/*Institution*: Centro de Medicina Desportiva do Norte, Porto (Portugal)
Duração/*Duration*: 1994/12 – 1996/09

Peer-reviewed publications

Soares, I., Silva, C., Costa, O. & Cunha, J. P. (1999). Avaliação da vinculação e da frequência cardíaca em bebés de 12 meses na Situação Estranha. *Revista Portuguesa de Psicossomática, 1*, 1010-114.

Soares, I. (1996). Vinculação: Questões teóricas, investigação e implicações clínicas. *Revista Portuguesa de Pedopsiquiatria, 11*, 35-71.

20/94 – "Previsiologia de fenómenos estocásticos, ondas cerebrais e fractalismos"
Investigadores/*Researchers*: António Cacho, Raul Berenguel
Instituição/*Institution*: Universidade Moderna, Porto (Portugal)
Duração/*Duration*: 1994/12 – 1996/03

Peer-reviewed publications

Berenguel, R. (1996). Previsiologia de Fenómenos Estocásticos e Ondas Cerebrais. *Anomalia, 4*, 141-148.

24/94 – "Estudo experimental da relação entre a activação emocional subliminar e a actividade fisiológica durante o reconhecimento implícito ou explícito"
Investigadores/*Researchers*: Pedro Barbas de Albuquerque, Teresa Freire, Mário Gonçalves
Instituição/*Institution*: Laboratório de Psicologia da Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 1994/12 – 1997/01

Peer-reviewed publications

Albuquerque, P. B., Santos, J. A., Pandeirada, J. S., & Gonçalves, S. F. (2002). Disociación entre la memoria implícita y explícita: Efecto de la formación de imágenes en una tarea de completamiento de fragmentos de palabras. In D. Saiz (Ed.), *Psicología de la memoria: Aportaciones recientes* (pp. 77-89). Barcelona: Avesta.

30/94 – "Physiological responses to spiritual stimuli: Prayer and healing"
Investigador/*Researcher*: Joseph Conboy
Instituição/*Institution*: Universidade Ciências Exactas e Humanas, Faro (Portugal)
Duração/*Duration*: 1994/12 – 1997/08

Peer-reviewed publications

Conboy, J. (2005). Measuring the construct of personal belief. *INUAF Studia, (4)*8, 127-145.

41/94 – "Estados modificados de consciência: 1. Psiconeurofisiologia da terapia pelo imaginário vivencial regressivo personalizado (TRVP), 2. Valor terapêutico da terapia, em duas sessões"
Investigadores/*Researchers*: Mário Simões, Maria Teresa Pimentel, Paula Esperança, François Gysin, José Correia.
Instituição/*Institution*: Instituto Psicologia da Faculdade de Medicina de Lisboa (Portugal)
Duração/*Duration*: 1994/12 – 1998/03

Peer-reviewed publications

Simões, M. R. (2002). Altered states of consciousness and psychotherapy - A cross-cultural perspective. *The International Journal of Transpersonal Studies, 21*, 145-152.

Publicações revistas por pares – Apoios à Investigação Científica 1996/97
Peer-reviewed publications – Grants for Scientific Research 1996/97

04/96 – "Influence of the mind on a moving robot"
Investigador/*Researcher:* René Peoc'h
Instituição/*Institution:* Institut de Psychophysique, Nantes (France)
Duração/*Duration:* 1997/01 – 2000/08

Peer-reviewed publications

Peoc'h, R. (2001). Chick's distant psychokinesis (23 kilometres). *Revue française de parapsychologie, 11*(1), 1-5.

07/96 – "Human sensitivity to environmental energy fields - considering the role of electromagnetic fields as noise-based stressors and their relationship to psi phenomena"
Investigadores/*Researchers*: Paul Stevens, Robert Morris
Instituição/*Institution*: The University of Edinburgh (UK)
Duração/*Duration*: 1997/01 – 1998/10

Peer-reviewed publications

Wiseman, R., Watt, C., Stevens, P., Greening, E. & O'Keeffe, C. (2003). An investigation into alleged 'hauntings'. *British Journal of Psychology, 94*, 195-211.

Wiseman, R., Watt, C., Stevens, P., Greening, E., & O'Keeffe, C. (2002). An investigation into the alleged haunting of Hampton Court Palace: Psychological variables and magnetic fields. *Journal of Parapsychology, 66*, 387-408.

Stevens, P. (2001). Effects of 5s exposures to a 50 µT, 20 Hz magnetic field on skin conductance and ratings of affect and arousal. *Bioelectromagnetics, 22*, 219-223.

Stevens, P. (2000). Noise, physics and psi: new ideas for research. *International Journal of Parapsychology, 11*, 63-72.

11/96 – "Precognition - possibilities, probabilities and events"
Investigadores/*Researchers*: Fiona Steinkamp, Robert Morris
Instituição/*Institution*: The University of Edinburgh (UK)
Duração/*Duration*: 1997/01 – 1998/12

Peer-reviewed publications

Steinkamp, F. (2000). Acting on the future: A survey of precognitive experiences. *Journal of the American Society for Psychical Research, 95*, 37-59.

Steinkamp, F. (2000). Does precognition foresee the future? A postal experiment examining the possibility of true precognition. *Journal of Parapsychology, 64*, 13-18.

Steinkamp, F. (1999). Testing clairvoyance and precognition by manipulating probabilities: A conceptual assessment of the experimental literature. *Journal of Parapsychology, 63*, 99-130.

Steinkamp, F., Milton, J., & Morris, R. (1998). A meta-analysis of forced-choice experiments comparing clairvoyance and precognition. *Journal of Parapsychology, 62*, 193-218.

21/96 – "Experimental investigation of physiological response to distant mental healing"
Investigadores/*Researchers*: Dean Radin, Jannine M. Rebman, Wellington Zangari
Instituição/*Institution*: Harry Reid Center for Environmental Studies, University of Nevada, Las Vegas (USA)
Duração/*Duration*: 1997/01 – 1997/12

Peer-reviewed publications

Radin, D. I., Machado, F., & Zangari, W. (2000). Effects of distant healing intention through time and space: Two exploratory studies. *Subtle Energies and Energy Medicine*, *11*(3), 207-240.

31/96 – "Indução de emoções em contextos artificiais: análise das representações fisiológicas e cognitivas"
Investigadores/*Researchers*: Pedro Barbas de Albuquerque, Ângela Maia
Instituição/*Institution*: Laboratório de Psicologia da Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 1997/06 – 2000/08

Peer-reviewed publications

Albuquerque, P. B., & Santos, J. A. (2000). Memória para acontecimentos emocionais: Contributos da psicologia cognitiva experimental. *Revista Portuguesa de Psicossomática, 2*(2), 21-34.

Albuquerque, P. B., & Santos, J. A. (2000). O paradoxo da influência da emoção na memória implícita: Acção nos processos ou contextuaização episódica de tarefas. *Psicologia: Teoria, Investigação e Prática, 5*(1), 87-98.

Albuquerque, P. B., & Santos, J. A. (1999). Jura dizer a verdade? Traições e fidelidades dos processos mnésicos. *Psicologia: Teoria, Investigação e Prática, 4*(2), 121-134.

33/96 – "Noção do tempo e parâmetros dos ritmos psicofisiológicos"
Investigadores/*Researchers*: Carlos Fernandes da Silva, Simon Folkard, Jorge Silvério, Anabela Pereira, Ana Allen Gomes
Instituição/*Institution*: Laboratório de Psicologia da Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 1997/04 – 2000/07

Peer-reviewed publications

Queirós, A., Silva, C., & Silvério, J. M. (2000). Trabalho por turnos, diferenças individuais e ritmos circadianos cardiovasculares. *Psicologia: Teoria, Investigação e Prática, 5*(2), 313-328.

Silva, C., Rodrigues, P. F., Klein, J. M., & Macedo, F. B. (2000). Investigação em cronobiologia. *Psicologia: Teoria, Investigação e Prática, 5*(2), 267-284.

Silva, C., Santos, R., Silvério, J. M., Macedo, F. B., Losa, N., & Pereira, A. S. (2000). Ritmos biológicos e tratamento da depressão: seguimento de doentes de consulta externa. *Psicologia: Teoria, Investigação e Prática, 5*(2), 423-432.

Gomes, A., Silva, C., Clemente, V., Ferreira, A., Coelho, I., César, H., Pissarra, C., & Azevedo, M. (1999). Reliability and factor analysis of the time awareness questionnaire (Portuguese version). *Vigilia-Sueño, 11*(2), 105-110.

35/96 – "Observatório nacional de fenómenos paranormais e afins"
Investigadores/*Researchers*: Carlos Fernandes da Silva, Stanley Krippner, Sérgio Razente, Manuel Domingos, Constança Azevedo
Instituição/*Institution*: Laboratório de Psicologia da Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 1997/03 – 2001/07

Peer-reviewed publications

Thalbourne, M., Silva, C. & Razente, S. (2006). Belief in, and alleged experience of, the paranormal in the Portuguese population. *Australian Journal of Parapsychology, 6*, 155-165.

43/96 – "Abordagem intergeracional da organização bio-comportamental e representacional da vinculação em mães e filhos - 2ª fase: Estudo com suporte num sistema de informação multimédia"
Investigadores/*Researchers*: Isabel Soares, João Paulo Silva Cunha, Maria Carolina Costa e Silva, Ovídio Costa, Pedro Lopes dos Santos
Instituição/*Institution*: Centro de Medicina Desportiva do Porto (Portugal)
Duração/*Duration*: 1997/01 – 1999/04

Peer-reviewed publications

Zhan-Jian L., Soares, I., Silva, C. F., Pinho, A., Neves, L, Costa, O. & Cunha, J. P. (1998). A multimedia system for assessment of attachment organizations and heart rate. In H. K. Chang

& Y. T. Zhang (Eds.), *Proceedings of the 20th Annual International Conference of the Ieee Engineering in Medicine and Biology Society, Vol 20, Pts 1-6: Biomedical Engineering Towards the Year 2000 and Beyond* (Vol. 20, pp. 1226-1229). New York: IEEE.

Publicações revistas por pares – Apoios à Investigação Científica 1998/99
Peer-reviewed publications – Grants for Scientific Research 1998/99

02/98 – "Biological and Psychological Features of Anxious Symptoms in Children"
Investigadores/*Researchers*: Jerome Kagan, Nancy Snidman, Mark McManis
Instituição/*Institution*: Harvard University (USA)
Duração/*Duration*: 1998/12 – 2000/12

Peer-reviewed publications

Kagan, J., & Fox, N. (2006). Biology, culture and temperamental biases. In N. Eisenberg (Ed.), *Handbook of child psychology* (Vol. 6, 6th ed., pp. 167-225). New York, NY: John Wiley

Kagan, J. & Herschkowitz, N. (2005). *A young mind in a growing brain*. Mahwah, N.J.: Lawrence Erlbaum Associates.

Kagan, J. (2001). Biological constraint, cultural variety, and psychological structures. *Annals of the New York Academy of Sciences, 935*(1), 177-190. doi:10.1111/j.1749-6632.2001.tb03480.x

Kagan, J., & Snidman, N. (1999). Early childhood predictors of adult anxiety disorders. *Biological Psychiatry, 46*(11), 1536–1541. doi:10.1016/S0006-3223(99)00137-7

06/98 – "A descriptive and correlational study of persons claiming spontaneous psi experiences"
Investigadores/*Researchers*: Daniel Montanelli, Alejandro Parra
Instituição/*Institution*: Instituto de Psicologia Paranormal, Buenos Aires (Argentina)
Duração/*Duration*: 1998/12 – 2001/02

Peer-reviewed publications

Parra, A. (2015). Humanistic therapy, mental health and paranormal experiences (Translated into Arab by S. Khaled Zahran). *Journal of the Egyptian Association of Psychological Studies, 25*(90), pp.123-154.

Parra, A. (2012). Exceptional human experiences in group-psychotherapy: an Argentinean experience. In W.H. Kramer, E. Bauer, & G.H. Hovelmann (Eds.), *Clinical aspects of exceptional human experiences: An introductory reader*. Utrecht, Nederlands: Het Johan Borgman Fond.

Parra, A. (2012). Humanistic group therapy, mental health and anomalous/paranormal experience. In C. Murray (Ed.), *Mental health and anomalous experience* (pp. 205-226). Hauppauge, NY: Nova Science.

Gómez Montanelli, D. & Parra, A. (2008). Are spontaneous anomalous/paranormal experiences disturbing?: A survey among under-graduate students. *International Journal of Parapsychology, 13*, 1-14.

Gómez Montanelli, D. & Parra, A. (2005). ¿Las experiencias paranormales son psicológicamente perturbadoras?: Un estudio comparando dos muestras encuestadas. *Revista de Neuro-Psiquiatría, 68*(1-2), 107-117.

Gómez Montanelli, D. & Parra, A. (2005). ¿Las Experiencias Paranormales son psicológicamente perturbadoras? Una encuesta comparando estudiantes universitarios y aficionados a temas paranormales. *Revista Interamericana de Psicología, 39*(2), 285-294.

Gómez Montanelli, D. & Parra, A. (2004). Estudio exploratorio de las características de personalidad, psicopatología, inteligencia y mecanismos de defensa de sujetos que reportan experiencias paranormales espontáneas. *Revista Argentina de Psicología Paranormal, 15*, 31-45.

Gómez Montanelli, D. & Parra, A. (2004). A clinical approach to the emotional processing of anomalous/paranormal experiences in group therapy. *Journal of the Society for Psychical Research, 68.3*(876), 129-142.

Gómez Montanelli, D. & Parra, A. (2003). Un abordaje modelo para el procesamiento de las reacciones emocionales ante experiencias paranormales. *Revista Argentina de Psicología Paranormal, 14*, 9-27.

Gómez Montanelli, D. & Parra, A. (2002). Experiencias psi-conflictivas: Una encuesta con implicaciones en parapsicología clínica. *Revista Argentina de Psicología Paranormal, 13*, 7-47.

11/98 – "Investigation of animal-human telepathy"
Investigadores/*Researchers*: Rupert Sheldrake, David Jay Brown, Jane Turney
Instituição/*Institution*: The Seven Experiments Project, London (UK)
Duração/*Duration*: 1998/12 – 2000/11

Peer-reviewed publications

Sheldrake, R. (2002). Apparent telepathy between babies and nursing mothers: A survey. *Journal of the Society for Psychical Research, 66.3*, 181-185.

Brown, D. J., & Sheldrake, R. (2001). The anticipation of telephone calls: A survey in California. *Journal of Parapsychology, 65*(2), 145-156.

Sheldrake, R. (2001). Experiments on the sense of being stared at: The elimination of possible artefacts. *Journal of the Society for Psychical Research, 65.2*, 122-137.

Sheldrake, R. (2000). The "sense of being stared at" does not depend on known sensory clues. *Rivista Di Biologia-Biology Forum, 93*(2), 237-252.

Sheldrake, R. (2000). The 'psychic pet' phenomenon. *Journal of the Society for Psychical Research, 64*(859), 126-128.

Sheldrake, R. (2000). Telepathic telephone calls: Two surveys. *Journal of the Society for Psychical Research 64.4*, 224-232.

Sheldrake, R., & Smart, P. (2000). A dog that seems to know when his owner is coming home: Videotaped experiments and observations. *Journal of Scientific Exploration, 14*(2), 233-255.

Sheldrake, R., & Smart, P. (2000). Testing a return-anticipating dog, Kane. *Anthrozoos, 13*(4), 203-212.

Sheldrake, R. (1999). The "sense of being stared at" confirmed by simple experiments. *Rivista Di Biologia-Biology Forum, 92*(1), 53-76.

13/98 – "The connection between psi and volitional competence in a non-western culture"
Investigadores/*Researchers*: Hoyt Edge, Luh Ketut Suryani, Deborah Delanoy
Instituição/*Institution*: Rollins College, Florida (USA)
Duração/*Duration*: 1998/12 – 2000/12

Peer-reviewed publications

Edge, H., & Suryani, L. K. (2002). A cross-cultural analysis of volition. *Florida Philosophical Review, 2*(2), 56-72.

Edge, H., & Suryani, L. K. (2001). Investigation of psychic beliefs in Bali. *Journal of Parapsychology*, 65(4), 363-364.

15/98 – "Postmortem survival: A reappraisal of the evidence"
Investigador/*Researcher*: Stephen Braude
Instituição/*Institution*: University of Maryland Baltimore County (USA)
Duração/*Duration*: 1999/01 – 2001/09

Peer-reviewed publications

Braude, S. E. (2014). *Crimes of reason: On mind, nature & the paranormal*. London, UK: Rowman & Littlefield.

Braude, S. E. (2014). The possibility of mental mediumship: Philosophical considerations. In A. Rock (Ed), *The survival hypothesis: Essays in mediumship* (pp. 21-39) Jefferson, NC: McFarland.

Braude, S. E. (2009). Perspectival Awareness and Postmortem Survival. *Journal of Scientific Exploration, 23,*195-210.

Braude, S. E. (2005). Personal identity and postmortem survival. *Social Philosophy and Policy, 22*(2), 226-249. doi:10.1017/S026505250505209X Reprinted in E. F. Paul, F. D. Miller, & J. Paul (Eds.), Personal identity (pp.226-249). Cambridge: Cambridge University Press.

Braude, S. E. (2003). *Immortal Remains: The Evidence for Life After Death***.** Lanham, MD, Rowman & Littlefield.

Braude, S. E. (2001). Out-of-body experiences and survival of death. *International Journal of Parapsychology, 12*(1), 83-129.

Braude, S. E. (2000). Dissociation and latent abilities: The strange case of patience worth. *Journal of Trauma & Dissociation, 1*(2), 13-48. doi:10.1300/J229v01n02_02

18/98 – "Investigations of Psychopraxia"
Investigadores/*Researchers*: Michael Thalbourne, Lance Storm
Instituição/*Institution*: University of Adelaide (Australia)
Duração/*Duration*: 1999/01 – 2001/12

Peer-reviewed publications

Storm, L. (2013). A comparative approach to the theory of psychopraxia. In S. Krippner, A. J. Rock, J. Beischel, & H. Friedman (Eds.), *Advances in parapsychological research 9* (pp. 82-96). Jefferson, NC: McFarland.

Storm, L. (2006). Meta-analysis in parapsychology: I. The ganzfeld domain. *Australian Journal of Parapsychology*, *6*, 35-53.

Storm, L. (2006). "Meta-analysis in parapsychology: II. Psi domains other than ganzfeld". *Australian Journal of Parapsychology, 6*, 135-155.

Storm, L. (2005). A socioempirical perspective on skepticism about psi. In M. A. Thalbourne & L. Storm (Eds.), *Parapsychology in the 21st century: Essays on the future of psychical research* (pp. 275-304). Jefferson, NC: McFarland.

Storm, L., & Thalbourne. M. A. (2005). The effect of a change in pro attitude on paranormal performance: A pilot study using naïve and sophisticated skeptics. *Journal of Scientific Exploration*, *19*, 11-29.

Storm, L., & Thalbourne, M. A. (2005). The effects of intuition and attitudes towards gambling on ESP performance during a gambling task. *European Journal of Parapsychology*, *20*, 22-49.

Storm, L. (2003). Research note: Is the *I Ching* process cybernetic or non-cybernetic? *European Journal of Parapsychology*, *18*, 77-86.

Storm, L., & Thalbourne, M. A. (2003). Perceived complexity, perceived task difficulty, and other states of mind: The influence of mental states on psi outcomes. *Journal of the American Society for Psychical Research*, *97*, 155-174.

Storm, L. (2001). Research note: Effect size in 'The transliminal connection between paranormal effects and personality in an experiment with the *I Ching*' by Storm & Thalbourne (1998-1999). *European Journal of Parapsychology*, *16*, 107-108.

Storm, L., & Ertel, S. (2001). Does psi exist? Comments on Milton and Wiseman's (1999) meta-analysis of ganzfeld research. *Psychological Bulletin*, *127*, 424-433.

Storm, L., & Thalbourne, M. A. (2001). Paranormal effects using sighted and vision-impaired participants in a quasi-ganzfeld task. *Australian Journal of Parapsychology*, *1*, 133-170.

Storm, L., & Thalbourne, M. A. (2001). Studies of the *I Ching*. I: A replication. *Journal of Parapsychology*, *65*, 105-124.

Storm, L., & Thalbourne, M. A. (2001). Studies of the *I Ching*. II: Additional analyses. *Journal of Parapsychology*, *65*, 291-309.

Lange, R., Thalbourne, M. A., Houran, J., & Storm, L. (2000). The revised transliminality scale: Reliability and validity data from a rasch top-down purification procedure. *Consciousness and Cognition, 9*(4), 591-617. doi:10.1006/ccog.2000.0472

Storm, L. (2000). Research Note: Replicable evidence of psi: A revision of Milton's (1999) meta-analysis of the Ganzfeld databases. *Journal of Parapsychology*, *66*, 411-416.

Storm, L., & Thalbourne, M.A. (2000). A paradigm shift away from the ESP-PK dichotomy: The theory of psychopraxia. *Journal of Parapsychology*, *64*, 279-300.

Storm, L. (1999). Synchronicity, causality and acausality. *Journal of Parapsychology*, *63*, 247-269.

20/98 – "Relação entre vivências induzidas e evocadas sob estados modificados de consciência e respostas neurovegetativas e neuroendócrinas" – "Relation between induced and evoked lives under altered states of consciousness and neurovegetative and neuroendocrine answers"
Investigadores/*Researchers*: Luís Sobrinho, Mário Simões, João Filipe Cancela dos Santos Raposo, Lurdes Barbosa, Pedro Lobo Fernandes
Instituição/*Institution*: Instituto Português de Oncologia Francisco Gentil, Lisboa (Portugal)
Duração/*Duration*: 1999/01 – 2001/03

Peer-reviewed publications

Sobrinho, L. G., Simões, M. R., Barbosa, L., Raposo, J. F., Pratas, S., Fernandes, P., Santos, M. A. (2003). Cortisol, prolactin and growth hormone responses to emotions elicited during an hypnoidal state. *Psychoneuroendocrinology, 28*(1), 1-17. doi:10.1016/s0306-4530(01)00100-7

Sobrinho, L. G., Simões, M. R., Raposo, J. F., & Barbosa, L. (1999). Respostas hormonais e neurovegetativas durante estados modificados de consciência. *Revista Portuguesa de Psicosomática, 1*(1), 53-62.

24/98 – "International collaboration to plan the next proof-oriented meta-analysis and accelerate process-oriented research in the Ganzfeld"
Investigadores/*Researchers:* Julie Milton, Robert Morris
Instituição/*Institution:* The University of Edinburgh (UK)
Duração/*Duration:* 1999/01 – 1999/09

Peer-reviewed publications

Milton, J. (1999). Should Ganzfeld research continue to be crucial in the search for a replicable psi effect? Part 1. Discussion paper and introduction to an electronic mail discussion. *Journal of Parapsychology, 63*, 309-335.

25/98 – "The limits of precognition"
Investigadores/*Researchers:* Fiona Steinkamp, Robert Morris
Instituição/*Institution:* The University of Edinburgh (UK)
Duração/*Duration:* 1999/01 – 1999/08

Peer-reviewed publications

Steinkamp, F. (2001). Does precognition foresee the future? Two conceptual replications. Series 2: A laboratory replication and Series 3: A World Wide Web replication. *Journal of Parapsychology, 65*(1), 17-40.

28/98 – "Psychological characteristics of children who speak of previous-life memories: An extended study and replication in Lebanon"
Investigadores/*Researchers*: Erlendur Haraldsson, Majd Abu-Izzedin, Caroline Kordahi
Instituição/*Institution*: University of Iceland, Reykjavik (Iceland)
Duração/*Duration*: 1999/01 – 2001/07

Peer-reviewed publications

Haraldsson, E., & Abu-Izzeddin, M. (2004). Three randomly selected Lebanese cases of children who claim memories of a previous life. *Journal of the Society for Psychical Research. 86.2*(875), 65-85.

Haraldsson, E. (2003). Children who speak of past-life experiences: Is there a psychological explanation? *Psychology and Psychotherapy: Theory Research and Practice, 76*(1), 55-67. doi:10.1348/14760830260569256

Stevenson, I., & Haraldsson, E. (2003). The similarity of features of reincarnationt type cases over many years: A third study. *Journal of Scientific Exploration, 17*(2), 283-289.

Haraldsson, E., & Abu-Izzeddin, M. (2002). Development of certainty about the correct deceased person in a case of the reincarnation type: The case of Nazih Al-Danaf. *Journal of Scientific Exploration, 16*(3), 363-380.

29/98 – "Psychic Pets – Inquérito sociológico em Portugal"
Investigador/*Researcher:* Carla Alexandra Lobo
Instituição/*Institution:* Laboratório de Psicologia da Universidade do Minho, Braga (Portugal)
Duração/*Duration:* 1999/03 – 2001/02

Peer-reviewed publications

Razente, S., Silva, C. F., & Lobo, C. (2007). Does your animal know you are going out? A survey in Portugal about belief in psychic pets. *Australian Journal of Parapsychology, 7*(1), 33-46.

30/98 – "Caracterização neurofisiológica e psicofisiológica de disfunções cerebrais utilizando estudos qEEG/ERP. Metodologia e Aplicações" – "Neurophysiological and psychological characterisation of cerebral dysfunctions using qEEG/ERP studies. Methodology and applications"
Investigadores/*Researchers*: António Martins da Silva, Denisa Maria Vasques Mendonça, João Manuel Carmona Ferreira Lopes, Maria Regina Pinto Brito Aguiar Andrade, João Eduardo Paiva Ramalheira, João Paulo Trigueiros Silva Cunha, Miguel Oliveira e Silva, Teresa Temudo, Óscar Gomes, Óscar Alves
Instituição/*Institution*: Hospital Sto. António, Porto (Portugal)
Duração/*Duration*: 1999/06 – 2004/04

Peer-reviewed publications

Vilhena, E., Paiva, I., Rodrigues, H., Martins da Silva, A., & Mendonça, D. (2005). Variaciones fisiológicas de los potenciales cerebrales auditivos ERP300 en adultos jóvenes. Análisis secuential. *Revista de Neurologia, 41*(10), 633-635.

Vilhena, E. M., Mendonça, D., & Martins da Silva, A. (2004). Aplicações de análise de variância de medidas repetidas no estudo da actividade cerebral. *Tékhne – Revista de Estudos Politécnicos, 1*(6), 47-61.

38/98 – "O sonho e a imagem em invisuais: abordagem biofísica e neurofisiológica" – "Dream and image in blind people: biophysic and neurophysiological approach"
Investigadores/*Researchers*: Teresa Paiva, Hélder Manuel Ferreira Utacílio Bértolo, Rosa Maria Capelo dos Santos
Instituição/*Institution*: Centro Estudos Egas Moniz / H. Sta. Maria, Lisboa (Portugal)
Duração/*Duration*: 1999/01 – 2001/02

Peer-reviewed publications

Bertolo, H., Paiva, T., Pessoa, L., Mestre, T., Marques, R., & Santos, R. (2003). Visual dream content, graphical representation and EEG alpha activity in congenitally blind subjects. *Cognitive Brain Research, 15*(3), 277-284. doi:10.1016/S0926-6410(02)00199-4

Bértolo H., & Paiva T. (2001). Conteúdo visual em sonhos de cegos. *Psicologia, Saúde & Doenças, 2*(1), 23-33.

Bértolo H., & Paiva T. (2000). Dream and image in blind subjects. *Hypnos 1*: 47 – II-8.

Bértolo H., & Paiva T. (1999). Visual content in blind subjects dreams. *Sleep Research Online, 2*(Suppl. 1), 271.

39/98 – "Realidade virtual no tratamento da acrofobia" – "Virtual reality in the treatment of acrophobia"
Investigadores/*Researchers*: Jorge Silvério, Mário Martins
Instituição/*Institution*: Laboratório de Psicologia da Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 1999/03 – 2005/01

Peer-reviewed publications

Coelho, C., Santos, J., Silvério, J., & Silva, C. F. (2006). Virtual reality and acrophobia: one year follow up and case study. *CyberPsychology and Behavior, 9*(3), 336-341. doi:10.1089/cpb.2006.9.336

Coelho, C., Silva, C. F., Santos, J., & Silvério, J. (2005). Realidade virtual aplicada ao tratamento da acrofobia: Estudo de caso. *Psiquiatria Clínica, 26*(2), 153-165.

Coelho, C., Silva, C. F., Santos, J., & Silvério, J. (2003). Etiologia das fobias específicas. *Psiquiatria Clínica, 24*(2), 125-139.

44/98 – "Psicofisiologia das emoções: Aprendizagem não consciente"
Investigadores/*Researchers*: Francisco Esteves, Maria Paula Carneiro, Patrícia Arriaga Ferreira, Anders Flykt
Instituição/*Institution*: Unidade de Estudos e Investigação em Psicologia, Lisboa (Portugal)
Duração/*Duration*: 1999/01 – 2002/12

Peer reviewed publication

Esteves, F., Arriaga Ferreira, P., Carneiro, P., & Flykt, A. (2010). Emotional responses (verbal and psychophysiological) to pictures of food stimuli. *Psicologia, 24*(2), 89-111.

46/98 – "Assessing the Role of Precognition in Practical Intuition"
Investigadores/*Researchers*: Richard Broughton, Robert Bourgeois
Instituição/*Institution*: Rhine Research Center, Durham (USA)
Duração/*Duration*: 1998/12 – 1999/12

Peer-reviewed publications

Broughton, R., & Bourgeois, R. L. (2001). Exploring a tool for identifying intuitive talent for practical decision making. In C. S. Alvarado (Ed.), *Parapsychological Association 44th Annual Convention. Proceedings of Presented Papers* (pp. 25-37). New York, NY: Parapsychological Association, Inc.

59/98 – "Estudo da relação entre memória de curto prazo e percepção subjectiva de tempo, usando como modelo a doença de Parkinson" – "Study of the relation between short-term memory and subjective perception of time, using the Parkinson disease mode"
Investigadores/*Researchers*: Isabel Pavão Martins, Joaquim José Ferreira, Miguel Vilhena Soares Coelho
Instituição/*Institution*: Centro Estudos Egas Moniz / H. Sta. Maria – Lisboa (Portugal)
Duração/*Duration*: 1999/01 – 2002/06

Peer-reviewed publications

Coelho, M., Ferreira, J., Dias, B., Sampaio, C., Martins, I. P., & Castro-Caldas, A. (2004). Assessment of time perception: The effect of aging. *Journal of the International Neuropsychological Society, 10*(3), 332-341. doi:10.1017/S1355617704103019

Coelho, M., Dias, B., Ferreira, J., Martins, I. P., & Castro-Caldas, A. (2002). Avaliação neuropsicológica da percepção subjectiva de tempo. *Sinapse, 2*(1), 74.

Coelho, M., Dias, B., Ferreira, J., Martins, I. P., & Castro-Caldas, A. (2001). Neuropsychological assessement of temporal perception. *Journal of International Neuropsychological Society, 7*(4), 423.

Ferreira, J., Coelho, M., Martins, I. P., & Castro-Caldas, A. (1999). Subjective perception of time and immediate recall in Parkinson's disease. *Parkinsonism & Related Disorders, 5*(Suppl. 1), S89.

64/98 – "Os efeitos da oração – Um estudo parapsicológico e psicofisiológico da evolução de quadros clínicos de pacientes em unidades hospitalares" – "The effects of praying - A parapsychological and psychophysiological study of the evolution of patients' clinical features in hospital units"
Investigadores/*Researchers*: Telmo Baptista, Miguel Henrique Guerra Gonçalves Farias, Cláudia Carvalho de Matos Teixeira Coelho, Isabel Maria Mousinho de Almeida Galriça Neto
Instituição/*Institution*: Faculdade de Psicologia e Ciências da Educação, Lisboa (Portugal)
Duração/*Duration*: 1999/01 – 2001/09

Peer-reviewed publications

Howard, G. S., Hill, T. L., Maxwell, S. E., Baptista, T. M., Farias, M. H., Coelho, C., ... Coulter-Kem, R. (2009*). What's wrong with research literatures? And how to make them right. Review of General Psychology, 13*(2), 146-166. doi:10.1037/a0015319

Publicações revistas por pares – Apoios à Investigação Científica 2000/01
Peer-reviewed publications – Grants for Scientific Research 2000/01

01/00 – "Investigation and psychological testing of U.S. children who claim to remember previous lives"
Investigadores/*Researchers*: Jim Tucker, Ian Stevenson
Instituição/*Institution*: University of Virginia Health System (USA)
Duração/*Duration*: 2001/05 – 2003/05

Peer-reviewed publications

Tucker, J., & Don Nidiffer, F. (2014). Psychological Evaluation of American Children Who Report Memories of Previous Lives. *Journal of Scientific Exploration, 28*(4), 585-596.

03/00 – "Psychophysiology of Transliminality"
Investigador/*Researcher*: James Houran
Instituição/*Institution*: SIU School of Medicine, Springfield (USA)
Duração/*Duration*: 2001/01 – 2004/06

Peer-reviewed publications

Houran, J., Hughes, L. F., Thalbourne, M. A., & Delin, P. S. (2006). Quasi-experimental study of transliminality, vibrotactile thresholds and performance speed. *Australian Journal of Parapsychology*, *6*, 54-80.

Houran, J., Navikc, S., & Zerrusend, K. (2005). Boundary functioning in celebrity worshippers. *Personality and Individual Differences, 38*(1), 237–248. doi:10.1016/j.paid.2004.04.014

Thalbourne, M. A., & Houran, J. (2005). Patterns of self-reported happiness and substance use in the context of transliminality. *Personality and Individual Differences, 38*(2), 327–336. doi:10.1016/j.paid.2004.04.011

Houran, J., Ashe, D., & Thalbourne, M. A. (2003). Encounter experiences in the context of mental boundaries and bilaterality. *Society for Psychical Research, 67*(4), 260-279.

Houran, J., & Thalbourne, M. A. (2003). Transliminality correlates positively with aberrations in memory. *Perceptual and Motor Skills, 96*(3), 1300-1304. doi:10.2466/pms.2003.96.3c.1300

Houran, J., Thalbourne, M. A., & Hartmann, E. (2003). Comparison of two alternative measures of the boundary construct. *Perceptual and Motor Skills, 96*(1), 311-323. doi:10.2466/pms.2003.96.1.311

Houran, J., Thalbourne, M. A., & Lange, R. (2003). Methodological note: erratum and comment on the use of the Revised Transliminality Scale. *Consciousness and Cognition, 12*, 140-144.

Thalbourne, M. A., Crawley, S, & Houran, J. (2003). Temporal lobe lability in the highly transliminal mind. *Personality and Individual Differences, 35,* 1965-1974.

Thalbourne, M. A., & Houran, J. (2003). Transliminality as an index of the sheep-goat variable. *European Journal of Parapsychology*, *18,* 3-14.

Thalbourne, M. A., Houran, J., & Crawley, S. (2003). Childhood trauma as a possible antecedent of transliminality. *Psychological reports, 93*(3), 687-694. doi:10.2466/pr0.2003.93.3.687

Houran, J., Kumar, V. K., Thalbourne, M. A., & Lavertue, N. E. (2002). Haunted by somatic tendencies: spirit infestation as psychogenic illness. *Mental Health, Religion & Culture, 5*, 119-133.

Houran, J., Wiseman, R., & Thalbourne, M. A. (2002). Perceptual-personality characteristics associated with naturalistic haunt experiences. *European Journal of Parapsychology*, *17*, 17-44.

Thalbourne, M. A., Houran, J., Alias, A. G., & Brugger, P. (2001). Transliminality, brain function, and synesthesia. *Journal of Nervous and Mental Disease, 189*, 190-192.

04/00 – "Mapeamento do Cortéx envolvido nos processos de descodificação da linguagem oral e escrita em voluntários alfabetizados na infância e voluntários alfabetizados na idade adulta utilizando magnetoencefalografia"
Investigadores/*Researchers*: Alexandre Lemos de Castro Caldas, Maria Vânia da Silva Nunes, Beatriz Dias, Andrew Papanicolau, Thomas Ortiz Alonso, Fernando Maesto
Instituição/*Institution*: Centro de Estudos Egas Moniz, Lisboa (Portugal)
Duração/*Duration*: 2000/12 – 2003/10

Peer-reviewed publications

Castro-Caldas, A., Nunes, M. V., Maestu, F., Ortiz, T., Simoes, R., Fernandes, R., … Goncalves, M. (2009). Learning orthography in adulthood: A magnetoencephalographic study. *Journal of Neuropsychology, 3*(1), 17-30. doi:10.1348/174866408x289953

Nunes, M. V., Castro-Caldas, A., Del Rio, D., Maestú, F., & Ortiz, T. (2009). The ex-illiterate brain. The critical period, cognitive reserve and HAROLD model. *Dementia & Neuropsychologia, 3*(3), 222-227.

09/00 – "Psychological, phenomenological and parapsychological evaluation of the anomalous/paranormal detection using objects-target utilizing specially selected subjects"
Investigadores/*Researchers*: Alejandro Enrique Parra, Juan Carlos Argibay
Instituição/*Institution*: Instituto de Psicologia Paranormal, Buenos Aires (Argentina)
Duração/*Duration*: 2001/02 – 2003/02

Peer-reviewed publications

Parra, A., & Argibay, J. C. (2007). Comparing psychics and non-psychics through a "token-object" forced choice ESP test. *Journal of the Society for Psychical Research, 71.2*(887), 80-90.

Parra, A., & Argibay, J. C. (2007). Comparing a free-response psychometry test with a free-response visual imagery test for a non-psychic sample. *Journal of the Society for Psychical Research, 71.2*(887), 91-99.

Parra, A. & Argibay, J.C. (2006). Interacción entre susceptibilidad hipnótica y experiencias disociativas en una población que reporta experiencias anómalo/paranormales. *Revista Interamericana de Psicología, 40*(2), 233-240.

10/00 – "Psychological and phenomenological investigation of anomalous cognition applying the Ganzfeld technique: Correlational analysis under the condition Ganzfeld vs no-Ganzfeld, psi-belief vs non-psi-belief, and different types of visual and musical targets"
Investigadores/*Researchers*: Alejandro Enrique Parra, Jorge Villanueva
Instituição/*Institution*: Instituto de Psicologia Paranormal, Buenos Aires (Argentina)
Duração/*Duration*: 2001/02 – 2003/02

Peer-reviewed publications

Parra, A. & Villanueva, J. (2006). ESP under the ganzfeld, in contrast with the induction of relaxation as a psi-conducive state. *Australian Journal of Parapsychology, 6*(2), 167-186.

Parra, A., & Villanueva, J. (2004). ¿Son los temas musicales mejores que los visuales como objetivos de PES?: Un estudio experimental bajo el estímulo de monotonización perceptual ganzfeld. *Revista Argentina de Psicología Paranormal, 15*(3-4), 195-208.

Parra, A., & Villanueva, J. (2004). Are musical themes better than visual images as ESP-targets? An experimental study using the ganzfeld technique. *Australian Journal of Parapsychology, 4*(2), 114-127.

Parra, A., & Villanueva, J. (2004). ¿Son los temas musicales mejores que los visuales como objetivos de PES?": Un estudio experimental bajo el estímulo de monotonización perceptual ganzfeld. In F. E. da Silva (Ed.), *Segundo Encontro Psi: Refletindo sobre o Futuro da Parapsicología* (pp. 165-171). Curitiba, Paraná: Facultades Integradas "Espírita".

Parra, A., & Villanueva, J. (2003). Personality factors and psi-ganzfeld sessions: A replication and extension. *Australian Journal of Parapsychology, 3*(2), 159-174.

Parra, A., & Villanueva, J. (2003). Personality factors and ESP during ganzfeld session. *Journal of the Society for Psychical Research, 67.1*(870), 26-36.

Parra, A. & Villanueva, J. (2001). Personality factors and ESP during ganzfeld sessions. In F. Steinkamp (Ed.), *Proceedings of the 44th Annual Convention of the Parapsychological Association* (pp.402-405). Freiburg, West Germany: Parapsychological Association.

11/00 – "Disturbances of binding phenomenon in schizophrenia"
Investigadores/*Researchers:* Valeria Strelets, A. M. Ivanitsky, V. J. Novototsky-Vlasov, J. V. Golikova, R. A. Magomedov, M. V. Magomedova
Instituição/*Institution*: Institute of Higher Nervous Activity and Neurophysiology, Moscow (Russia)
Duração/*Duration*: 2001/07 – 2003/01

Peer-reviewed publications

Strelets, V., Novototsky-Vlasov, V. Y., & Golikova, J. (2002). Cortical connectivity in high frequency beta-rhythm in schizophrenics with positive and negative symptoms. *International Journal of Psychophysiology, 44*(2), 101-115. doi:10.1016/S0167-8760(01)00196-9

Strelets, V. B., Novototsky-Vlasov, V. Y., Garakh, Z. V., Zeligovsky, V. A., & Kaplan, A. Y. (2007). The multipleparameter combinatory analysis of EEG rhythms in norm and at schizophrenia. *Zhurnal Vysshei Nervnoi Deyatelnosti Imeni I P Pavlova, 57*(6), 684-691.

15/00 – "Investigation of Telepathy in Animals and Humans"
Investigadores/*Researchers*: Rupert Sheldrake, Pamela Smart, Aimee Morgana, Katy Barber
Instituição/*Institution*: Centre for the Seven Experiments Project, London (UK)
Duração/*Duration*: 2001/01 – 2003/03

Peer-reviewed publications

Sheldrake, R., & Morgana, A. (2003). Testing a language-using parrot for telepathy. *Journal of Scientific Exploration, 17*(4), 601-615.

Sheldrake, R., & Smart, P. (2003). Experimental tests for telephone telepathy. *Journal of the Society for Psychical Research, 67.3*, 184-199.

Sheldrake, R., & Smart, P. (2003). Videotaped experiments on telephone telepathy. *Journal of Parapsychology, 67*(1), 147-166.

19/00 – "The Go/No Go Contingent Negative Variation (CNV): Relationships with alcohol abuse and criminal recidivism"
Investigadores/*Researchers:* Richard Charles Howard, John Lumsden, P. J. McCullagh, Peter Fenwick, H. G. McAllister
Instituição/*Institution:* Broadmoor Hospital, Crowthorne (UK)
Duração/*Duration:* 2001/06 – 2007/12

Peer-reviewed publications

Howard, R., & Menkes, D. (2007). Changes in brain function during acute cannabis intoxication: preliminary findings suggest a mechanism for cannabis-induced violence. *Criminal Behavior and Mental Health, 17*(2), 113-117. doi:10.1002/cbm.646

Lumsden, J., Hadfield, J., Littler, S., & Howard, R. (2005). The prevalence of early onset alcohol abuse in mentally disordered offenders. *The Journal of Forensic Psychiatry & Psychology, 16*(4), 651-659. doi:10.1080/14789940500205930

20/00 – "Neuropsychological bases of reality monitoring deficits in schizophrenic patients with hallucinations"
Investigadores/*Researchers*: Gildas Brébion, Anthony David
Instituição/*Institution*: Institute of Psychiatry, King's College, London (UK)
Duração/*Duration*: 2000/12 – 2002/07

Peer-reviewed publications

Brébion, G., Bressan, R. A., Ohlsen, R., & David, A. S. (2013). A model of memory impairment in schizophrenia: Cognitive and clinical factors associated with memory efficiency and memory errors. *Schizophrenia Research, 151*(1), 70-77. doi:10.1016/j.schres.2013.09.009

Brébion, G., Ohlsen, R., Bressan, R. A., & David, A. S. (2012). Source memory errors in schizophrenia, hallucinations and negative symptoms: A synthesis of research findings. *Psychological Medicine, 42*(12), 2543-2554. doi:10.1017/S003329171200075X

Brébion, G., Bressan, R. A., Pilowsky, L. S., & David, A. S. (2011). Processing speed and working memory span: Their differential role in superficial and deep memory processes in

schizophrenia. *Journal of the International Neuropsychological Society, 17*(3), 485-493. doi:10.1017/S1355617711000208

Brébion, G., Ohlsen, R., Pilowsky, L. S., & David, A. S. (2011). Serial and semantic encoding of lists of words in schizophrenia patients with visual hallucinations. *Psychiatry Research, 186*(1), 5-10. doi:10.1016/j.psychres.2010.07.053

Brébion, G., Bressan, R.A., Ohlsen, R.I., Pilowsky, L.S., David, A.S. (2010). Production of atypical category exemplars in patients with schizophrenia. *Journal of the International Neuropsychological Society*, 16, 822-828.

Brébion, G., Bressan, R. A., David, A. S., & Pilowsky, L. S. (2009). Role of processing speed and premorbid IQ on visual recognition in patients with schizophrenia. *Journal of Clinical and Experimental Neuropsychology, 31*(3), 302-311. doi:10.1080/13803390802108362

Brébion, G., Bressan, R. A., Pilowsky, L. S., & David, A. S. (2009). Depression, avolition, and attention disorders in patients with schizophrenia: Associations with verbal memory efficiency. *The Journal of Neuropsychiatry and Clinical Neurosciences, 21*(2), 206-215. doi:10.1176/appi.neuropsych.21.2.206

Brébion, G., David, A. S., Bressan, R. A., Ohlsen, R., & Pilowsky, L. S. (2009). Hallucinations and two types of free-recall intrusion in schizophrenia. *Psychological Medicine, 39*(6), 917-926. doi:10.1017/S0033291708004819

Brébion, G., David, A. S., Jones, H., & Pilowsky, L. S. (2009). Working memory span and motor and cognitive speed in schizophrenia. *Cognitive and Behavioral Neurology, 22*(2), 101-108. doi:10.1097/WNN.0b013e3181a722a0

Brébion, G., Ohlsen, R., Pilowsky, L. S., & David, A. S. (2008). Visual hallucinations in schizophrenia: Confusion between imagination and perception. *Neuropsychology, 22*(3), 383-389. doi:10.1037/0894-4105.22.3.383

Brébion, G., David, A. S., Bressan, R. A., & Pilowsky, L. S. (2007). Role of processing speed and depressed mood on encoding, storage, and retrieval memory functions in patients diagnosed with schizophrenia. Journal of the International Neuropsychological Society, 13(1), 99-107. doi:10.1017/S1355617707070014

Brébion, G., David, A. S., Jones, H., Ohlsen, R., & Pilowsky, L. S. (2007). Temporal context discrimination in patients with schizophrenia. Associations with auditory hallucinations and negative symptoms. *Neuropsychologia, 45*(4), 817-823. doi:10.1016/j.neuropsychologia.2006.08.009

Brébion, G., David, A. S., Ohlsen, R., Jones, H., & Pilowsky, L. S. (2007). Visual memory errors in schizophrenic patients with auditory and visual hallucinations. *Journal of the International Neuropsychological Society, 13*(5), 832-838. doi:10.1017/S135561770707107X

Brébion, G., David, A. S., Bressan, R. A., & Pilowsky, L. S. (2006). Processing speed: A strong predictor of verbal memory performance in schizophrenia. *Journal of Clinical and Experimental Neuropsychology, 28*(3), 370-382. doi:10.1080/13803390590935390

Brébion, G., David, A. S., Bressan, R. A., & Pilowsky, L. S. (2005). Word frequency effects on free recall and recognition in patients with schizophrenia. *Journal of Psychiatric Research, 39*(2), 215-222. doi:10.1016/j.jpsychires.2004.05.010

Brébion, G., David, A. S., Jones, H., & Pilowsky, L. S. (2005). Hallucinations, negative symptoms, and response bias in a verbal recognition task in schizophrenia. *Neuropsychology, 19*(5), 612-617. doi:10.1037/0894-4105.19.5.612

Brébion, G., David, A. S., Jones, H., & Pilowsky, L. S. (2004). Semantic organization and verbal memory efficiency in patients with schizophrenia. *Neuropsychology, 18*(2), 378-383. doi:10.1037/0894-4105.18.2.378

Brébion, G., David, A. S., Pilowsky, L. S., & Jones, H. (2004). Recognition of visual stimuli and memory for spatial context in schizophrenic patients and healthy volunteers. Journal of Clinical and Experimental *Neuropsychology, 26*(8), 1093-1102. doi:10.1080/13803390490515513

24/00 – "Developing a digital autoganzfeld testing system"
Investigadores/*Researchers*: Mathew D. Smith, Jezz Fox, Carl Williams
Instituição/*Institution*: Liverpool Hope University College (UK)
Duração/*Duration*: 2001/05 – 2003/05

Peer-reviewed publications

Fox, J., Smith, M. D., & Williams, C. (2002). Introducing DigiGanz: Describing a digital autoganzfeld system. In C. Watt. (Ed.), *The Parapsychological Association 45th Annual Convention Proceedings of Presented Papers*, 299-401.

Simmonds, C. A. & Fox, J. (2002). A pilot investigation into sensory noise, schizotypy, and extrasensory perception. In C. Watt. (Ed), *The Parapsychological Association 45th Annual Convention Proceedings of Presented Papers*, 235-246.

25/00 – "True precognition"
Investigadores/*Researchers*: Fiona Steinkamp, Robert Morris
Instituição/*Institution*: The University of Edinburgh (UK)
Duração/*Duration*: 2001/07 – 2003/06

Peer-reviewed publications

Steinkamp, F. (2005). Does precognition foresee the future? Series 4: A postal replication. *Journal of Parapsychology, 69*(2), 341-351.

26/00 – "Criação de falsas memórias: Contributos para o estudo de algumas características individuais de ocorrência" – "Induction of false memories: Contributions to the study of some occurring individual characteristics"
Investigadores/*Researchers*: Emanuel Pedro Barbas de Albuquerque, Josefa das Neves Simões Pandeirada, Teresa Margarida Moreira Freire Barbas de Albuquerque, Paulo Joaquim Fonseca da Silva Farinha Rodrigues, Marta Costa Freitas
Instituição/*Institution*: Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2001/01 – 2004/10

Peer-reviewed publications

Albuquerque, P. B. (2005). Produção de evocações e reconhecimentos falsos em 100 listas de palavras associadas portuguesas. *Laboratório de Psicologia, 3*(1), 3-12.

Rocha, A., & Albuquerque, P. B. (2003). Ilusões de memória em alcoólicos. *Psicologia: Teoria Investigação e Prática, 8*(2), 269-289.

28/00 – "Newborn predictors of reactivity at 4 months"
Investigadores/*Researchers:* Jerome Kagan, Nancy Snidman
Instituição/*Institution:* Harvard University, Cambridge (USA)
Duração/*Duration:* 2001/01 – 2002/05

Peer-reviewed publications

Kagan, J., Snidman, N., Kahn, V., Towsley, S., Steinberg, L., & Fox, N. (2007). The preservation of two infant temperaments into adolescence. *Monographs of the Society for Research in Child Development, 72*(2), vii, 1-95.

Kagan, J. (2005). Human morality and temperament. In G. Carlo, & C. P. Edwards, C. (Eds.), *Moral motivation through the lifespan. Nebraska Symposium on Motivation* (Vol. 51, pp. 1–32). Lincoln, NE: University of Nebraska Press.

Kagan, J. (2002). Childhood predictors of states of anxiety. *Dialogues in Clinical Neuroscience, 4*(3), 197-202.

Kagan, J. (2001). Emotional development and psychiatry. *Biological Psychiatry, 49*(12), 973-979. doi:10.1016/S0006-3223(01)01115-5

Kagan, J. (2001). Unmet needs in diagnosis and treatment of mood disorders in children and adolescents. *Biological Psychiatry, 49*(12), 973-979. doi:10.1016/S0006-3223(01)01180-5

Kagan, J., Snidman, N., McManis, M., & Woodward, S. (2001). Temperamental contributions to the affect family of anxiety. *The Psychiatric Clinics of North America, 24*(4), 677-688. doi:10.1016/S0193-953X(05)70257-4

29/00 – "The Study of Psi-performance in the Digital Ganzfeld: Experimentation Towards Theory Development"
Investigadores/*Researchers*: Adrian Parker, Joakim Westerlund, Anneli Persson, Annekatrin Puhle, Annehilt Haller
Instituição/*Institution*: University of Gothenburg (Sweden)
Duração/*Duration*: 2000/12 – 2002/10

Peer-reviewed publications

Goulding, A., Westerlund, J., Parker, A., & Wackermann, J. (2004). The first digital autoganzfeld study using a real-time judging procedure. *European Journal of Parapsychology, 19*, 66-97.

Parker, A. (2003). We ask, does psi exist? But is this the right question and do we really want an answer anyway? *Journal of Consciousness Studies, 10*(6-7), 111-134.

Wright, T., & Parker, A. (2003). An attempt to improve ESP Scores using the real time digital ganzfeld technique. *European Journal of Parapsychology, 18*, 69-76.

34/00 – "Experimenter effects in parapsychology: Replication and mechanism"
Investigadores/*Researchers*: Richard Wiseman, Caroline Watt
Instituição/*Institution*: The University of Edinburgh (UK)
Duração/*Duration*: 2000/12 – 2002/01

Peer-reviewed publications

Watt, C., & Wiseman, R. (2002). Belief in the paranormal, cognitive ability and extrasensory perception: The role of experimenter effects. *Proceedings of the 45th Annual Convention of the Parapsychological Association* (pp. 333-345). Paris, France: Parapsychological Association.

Wiseman, R., & Watt, C. (2002). Experimenter differences in cognitive correlates of paranormal belief and psi. *Journal of Parapsychology, 66*(4), 371-385.

35/00 – "Psi in a Relational Culture: An Exploratory DMILS Study in a Non-EuroAmerican Culture"
Investigadores/*Researchers*: Hoyt Edge, Luh Ketut Suryaní
Instituição/*Institution*: Rollins College, Florida (USA)
Duração/*Duration*: 2001/03 – 2003/03

Peer-reviewed publications

Edge, H., Suryani, L. K., Tiliopoulos, N., & Morris, R. (2002). Two cognitive DMILS studies in Bali. *Journal of Parapsychology, 68*(2), 289-321.

36/00 – "Prestimulus Response with and without a Sender: Physiological Evidence for Precognition"
Investigadores/*Researchers*: Edwin May, Zoltán Vassy
Instituição/*Institution*: Laboratories for Fundamental Research, Palo Alto (USA)
Duração/*Duration*: 2001/01 – 2002/08

Peer-reviewed publications

Marwaha, S. B., & May, E. C. (2016). Precognition: The only form of psi? *Journal of Consciousness Studies, 23*(3-4), 76-100.

May, E. C., Paulinyi, T., & Vassy, Z. (2005). Anomalous anticipatory skin conductance response to acoustic stimuli: experimental results and speculation about a mechanism. *The Journal of Alternative and Complementary Medicine, 11*(4), 695-702. doi:10.1089/acm.2005.11.695

Vassy, Z. (2004). A Study of Telepathy by Classical Conditioning. *Journal of Parapsychology, 68*(2), 323-350.

37/00 – "Mechanisms of PSI performance"
Investigadores/*Researchers*: Marios Kittenis, Robert Morris
Instituição/*Institution*: The University of Edinburgh (UK)
Duração/*Duration*: 2001/01 – 2004/04

Peer-reviewed publications

Kittenis, M. (2011). Anomalous Anticipatory Event-Related EEG Activity in a Face Recognition Memory Task. *Journal of Parapsychology, 75*(2), 204-206.

Kittenis, M., Caryl, P. G., & Stevens, P. (2004). Distant psychophysiological effects between related and unrelated participants. In S. Schmidt (Ed.), *Proceedings of The Parapsychological Association Convention* (pp. 67-76).

52/00 – "Seeking the Intuition Response: Exploring the Human Electrodermal 'Presponse' as a Reliable Indicator of Precognitive Intuition"
Investigador/*Researcher*: Richard S. Broughton
Instituição/*Institution*: Intuition Laboratories, Durham (USA)
Duração/*Duration*: 2000/12 – 2002/08

Peer-reviewed publications

Broughton, R. (2004). Exploring the reliability of the "presentiment" effect. In *Proceedings of the presented papers of the 47th Parapsychological Association Convention* (pp. 15–26). Vienna, Austria.

54/00 – "Effect of Galvanic Skin Response (GSR) biofeedback on seizure frequency in patients with poorly controlled epilepsy"
Investigadores/*Researchers*: Yoko Nagai, Michael Trimble, Peter Fenwick, Laura Goldstein, John Lumsden
Instituição/*Institution*: Institute of Neurology, University College London (UK)
Duração/*Duration*: 2001/05 – 2003/03

Peer-reviewed publications

Nagai, Y., & Trimble, M. R. (2014). Long-term effects of electrodermal biofeedback training on seizure control in patients with drug-resistant epilepsy: Two case reports. *Epilepsy Research, 108*(1), 149-152. doi:10.1016/j.eplepsyres.2013.10.004

Nagai, Y. (2011). Biofeedback and epilepsy. *Current Neurology and Neuroscience Reports, 11*(4), 443-450. doi:10.1007/s11910-011-0201-3

Nagai, Y., Critchley, H. D., Rothwell, J. C., Duncan, J. S., & Trimble, M. R. (2009). Changes in cortical potential associated with modulation of peripheral sympathetic activity in patients with epilepsy. *Psychosomatic Medicine, 71*(1), 84-92. doi:10.1097/PSY.0b013e31818f667c

Nagai, Y., Critchley, H. D., Featherstone, E., Fenwick, P., Trimble, M. R., & Dolan, R. J. (2004). Brain activity relating to the Contingent Negative Variation (CNV): fMRI investigation. *NeuroImage, 21*(4), 1232-1241. doi:10.1016/j.neuroimage.2003.10.036

Nagai, Y., Critchley, H. D., Featherstone, E., Trimble, M. R., & Dolan, R. J. (2004). Activity inventromedial prefrontal cortex covaries with sympathetic skin conductance level (SCL): A physiological account of a "default mode" of brain function. *NeuroImage, 22*(1), 243-251. doi:10.1016/j.neuroimage.2004.01.019

Nagai, Y., Goldstein, L., Critchley, H. D., & Fenwick, P. (2004). Influence of sympathetic autonomic arousal on contingent negative variation: implications for a therapeutic behavioural intervention in epilepsy. *Epilepsy Research, 58*(2/3), 185-193. doi:10.1016/j.eplepsyres.2004.02.004

Nagai, Y., Goldstein, L., Fenwick, P., & Trimble, M. R. (2004). Clinical efficacy of biofeedback treatment on reducing seizures in adult epilepsy: a preliminary randomized controlled study. *Epilepsy & Behaviour, 5*(2), 216-223. doi:10.1016/j.yebeh.2003.12.003

58/00 – "Are ESP and PK aspects of a unitary phenomenon? Considering the relationship between ESP and PK"
Investigadores/*Researchers*: Chris A. Roe, Paul Stevens
Instituição/*Institution*: University College Northampton (UK)
Duração/*Duration*: 2001/01 – 2003/10

Peer-reviewed publications

Roe, C. A., Davey, R., & Stevens, P. (2006). Experimenter effects in laboratory tests of ESP and PK using a common protocol. *Journal of Scientific Exploration, 20*(2), 239-253.

Roe, C. A., Davey, R., & Stevens, P. (2005). Are ESP and PK aspects of a unitary phenomenon? The effects of deception when testing the relationship between ESP and PK. *Journal of the Society for Psychical Research, 69*, 18-32.

Roe, C. A., Davey, R., & Stevens, P. (2004). Arousal and performance at ESP and PK tasks using a common protocol. *European Journal of Parapsychology, 19*, 29-43.

Roe, C.A., Davey, R., & Stevens, P. (2004). Experimenter effects in laboratory tests of ESP and PK using a common protocol. *Proceedings of Presented Papers: The Parapsychological Association 47th Annual Convention* (pp. 185-196).

Roe, C. A., Davey, R., & Stevens, P. (2003). Are ESP and PK aspects of a unitary phenomenon? A preliminary test of the relationship between ESP and PK. *Journal of Parapsychology, 67*(2), 343-366.

Roe, C.A., Davey, R., & Stevens, P. (2003) Are ESP and PK aspects of a unitary phenomenon? A further test of the relationship between ESP and PK. *Proceedings of Presented Papers: The Parapsychological Association 46th Annual Convention,* 222-236.

Roe, C.A., Davey, R., & Stevens, P. (2002) Are ESP and PK aspects of a unitary phenomenon? A preliminary test of the relationship between ESP and PK. *Proceedings of Presented Papers: The Parapsychological Association 45th Annual Convention,* 166-181.

61/00 – "Changes in mismatch negativity during hypnosis as an indicator of susceptibility to both hypnosis and to paranormal experiences"
Investigadores/*Researchers*: John Howard Gruzelier, Graham Jamieson
Instituição/*Institution*: Imperial College School of Medicine, London (UK)
Duração/*Duration*: 2001/01 – 2002/03

Peer-reviewed publications

Jamieson, G., Dwivedi, P., & Gruzelier, J. H. (2005). Changes in mismatch negativity across prehypnosis, hypnosis and post-hypnosis conditions distinguish high from low hypnotic susceptibility groups. *Brain Research Bulletin, 67*(4), 298-303. doi:10.1016/j.brainresbull.2005.06.033

Gruzelier, J. H., De Pascalis, V., Jamieson, G., Laidlaw, T., Dwivedi, P., Naito, A., Bennett, B., & Gruzelier, J. H. (2004). Relations between hypnotisability and psychopathology revisited. *Contemporary Hypnosis, 21*(4), 169–176. doi:10.1002/ch.304

Jamieson, G., & Gruzelier, J. H. (2001). Hypnotic susceptibility is positively related to a subset of schizotypy items. *Contemporary Hypnosis, 18*(1), 32-37. doi:10.1002/ch.214

66/00 – "Anosognosia - bases biológicas da unidade da consciência"
Investigadores/*Researchers*: Isabel Pavão Martins, Clara de Santos Loureiro, José M. Ferro, Tânia Fernandes
Instituição/*Institution*: Centro de Estudos Egas Moniz, Hospital Sta. Maria, Lisboa (Portugal)
Duração/*Duration*: 2002/06 – 2004/06

Peer-reviewed publications

Loureiro, C. (2003). Inatenção hemi-espacial selectiva: Manifestações na criança. *Psychologica, 34*, 215-230.

Loureiro, C. (2002). Técnicas de reabilitação da inatenção hemiespacial selectiva. *Psicologia, 16*(1), 177-195.

67/00 – "Pain Control from the Brain. Novel approaches of chronic pain treatment through manipulation of supraspinal areas"
Investigadores/*Researchers:* Deolinda Lima, Isaura Ferreira Tavares, Armando Alberto da Nova Pinto de Almeida, Christophe Dugast, Vasco Miguel Clara Lopes Galhardo, Marta Sofia Carvalho Teixeira Pinto
Instituição/*Institution:* Instituto de Histologia e Embriologia da Fac. Medicina do Porto (Portugal)
Duração/*Duration:* 2000/12 – 2003/12

Peer-reviewed publications

Dugast, C., Almeida, A., & Lima, D. (2003). The medullary dorsal reticular nucleus enhances the responsiveness of spinal nociceptive neurons to peripheral stimulation in the rat. *European Journal of Neuroscience, 18*(3), 580-588. doi:10.1046/j.1460-9568.2003.02782.x

Galhardo, V., Apkarian, A. V., & Lima, D. (2002). Peripheral inflammation increases the functional coherency of spinal responses to tactile but not nociceptive stimulation. *Journal of Neurophysiology, 88*(4), 2096-2103. doi:10.1152/jn.00720.2001

Pinto, M., Tavares, I., Castro-Lopes, J. M., & Lima, D. (2002). Noxious evoked c-fos expression in brainstem neurons immunoreactive for GABAB, μ-opioid and NK1 receptors. *European Journal of Neuroscience, 17*(7), 1393-1402. doi:10.1046/j.1460-9568.2003.02586.x

71/00 – "Experimental Enhancement of Receptive Psi by Transcerebral Application of Complex Magnetic Fields"
Investigadores/*Researchers*: Michael A. Persinger, Linda St-Pierre, Sandra Tiller
Instituição/*Institution*: Laurentian University, Ontario (Canada)
Duração/*Duration*: 2000/12 – 2003/03

Peer-reviewed publications

Booth, J. N., & Persinger, M. A. (2009). Discrete shifts within the theta band between the frontal and parietal regions of the right hemisphere and the experiences of a sensed presence. *Journal of Neuropsychiatry and Clinical Neurosciences, 21*(3), 279-283. doi:10.1176/jnp.2009.21.3.279

Booth, J. N., Koren, S. A., & Persinger, M. A. (2008). Increased theta activity in quantitative electroencephalographic (QEEG) measurements during exposure to complex weak magnetic fields. *Electromagnetic Biology and Medicine, 27*(4), 426-436. doi:10.1080/15368370802493719

Persinger, M. A., Koren, S. A., & Tsang, E. W. (2003). Enhanced power within a specific band of theta activity in one person while another receives circumcerebral pulsed magnetic fields: a mechanism for cognitive influence at a distance? *Perceptual and Motor Skills, 97*(3), 877-894. doi:10.2466/PMS.97.7.877-894

Booth, J. N., Charette, J. C., & Persinger, M. A. (2002). Ranking of stimuli that evoked memories in significant others after exposure to circumcerebral magnetic fields: Correlations with ambient geomagnetic activity. *Perceptual and Motor Skills, 95*(2), 555-558. doi:10.2466/pms.2002.95.2.555

Koren, S. A., & Persinger, M. A. (2002). Possible disruption of remote viewing by complex weak magnetic fields around the stimulus site and the possibility of accessing real phase space: a pilot study. *Perceptual and Motor Skills, 95*(3), 989-998. doi:10.2466/pms.2002.95.3.989

Persinger, M. A. (2002). Geophysical variables and behavior: XCVIII, ambient, geomagnetic activity and experiences of "memories" interactions with sex and implications for receptive psi experiences. *Perceptual and Motor Skills, 94*(3), 1271-1282. doi:10.2466/PMS.94.4.1271-1282

Persinger, M. A., Cook, C. M. & Tiller, S. (2002). Enhancement of images of possible memories of others during exposure to circumcerebral magnetic fields: correlations with ambient geomagnetic activity. *Perceptual and Motor Skills, 95*(2), 531-543. doi:10.2466/PMS.95.5.531-543

Persinger, M. A., Roll, W. G., Tiller, S., Koren, S. A., & Cook, C. M. (2002). Remote viewing with the artist Ingo Swann: Neuropsychological profile, electroencephalographic correlates, magnetic resonance imaging (MRI), and possible mechanisms. *Perceptual and Motor Skills, 94*(3), 927-949. doi:10.2466/pms.2002.94.3.927

Richards, M. A., Koren, S. A., & Persinger, M. A. (2002). Circumcerebral application of weak complex magnetic fields with derivatives and changes in electroencephalographic power spectra within the theta range: implications for states of consciousness. *Perceptual and Motor Skills, 95*(2), 671-686. doi:10.2466/pms.2002.95.2.671

77/00 – "Psi Reinforcement of Stochastic Mentation - the PRiSM model of dyadic ESP"
Investigador/*Researcher*: Paul Stevens
Instituição/*Institution*: The University of Edinburgh (UK)
Duração/*Duration*: 2001/01 – 2002/12

Peer-reviewed publications

Stevens, P. (2009). Are our assumptions more anomalous than the phenomena? In M. Smith (Ed.), *Anomalous experiences: Essays from parapsychological and psychological perspectives* (pp. 50-60). Jefferson, NC: McFarland.

Stevens, P. (2004). Experimental evaluation of a feedback-reinforcement model for dyadic ESP. *Journal of Parapsychology, 68*(1), 65-92.

Stevens, P. (2002). Can we differentiate between ESP and Imagination? *Journal of the Society for Psychical Research, 66.4*, 239-246.

78/00 – "Psi and the Cognitive Unconscious"
Investigadores/*Researchers*: Robert Morris, Stuart Wilson
Instituição/*Institution*: The University of Edinburgh (UK)
Duração/*Duration*: 2001/02 – 2002/03

Peer-reviewed publications

Wilson, S. (2002). Psi, perception without awareness and false recognition. *Journal of Parapsychology, 66*(3) 271-291

87/00 – "A Controlled Analysis of Subjective Paranormal Experiences in Temporal Lobe Dysfunction in a Neuropsychiatric Population"
Investigadores/*Researchers*: John A. Palmer, Vernon M. Neppe, Heidi Nebelm, Stacie Magill
Instituição/*Institution*: Rhine Research Center e Pacific Neuropsychiatric Institute, Durham/Seattle (USA)
Duração/*Duration*: 2000/12 – 2002/02

Peer-reviewed publications

Palmer, J., & Neppe, V. M. (2004). Exploratory analyses of refined predictors of subjective ESP experiences and temporal lobe dysfunction in a neuropsychiatric population. *European Journal of Parapsychology, 19*, 44-65.

Palmer, J., & Neppe, V. M. (2003). A controlled analysis of subjective paranormal experiences in a neuropsychiatric population. *Journal of Parapsychology*, *67*(1), 75-97.

Palmer, J., Neppe, V. M., Nebel, H., & Magill, S. (2001). A controlled analysis of subjective paranormal experiences in temporal lobe dysfunction in a neuropsychiatric population. In *Proceedings of presented papers of the Parapsychological Association 44th Annual Convention* (pp. 218-234). New York, NY: Parapsychological Association.

Publicações revistas por pares – Apoios à Investigação Científica 2002/03
Peer-reviewed publications – Grants for Scientific Research 2002/03

01/02 – "The investigation of telepathy and the sense of being stared at in humans and animals"
Investigadores/*Researchers*: Rupert Sheldrake, Pam Smart, Kara Murray
Instituição/*Institution*: Centre for the Seven Experiments Project, London (UK)
Duração/*Duration*: 2003/03 – 2005/04

Peer-reviewed publications

Sheldrake, R. (2005). The sense of being stared at - Part 1: Is it real or illusory? *Journal of Consciousness Studies, 12*(6), 10-31.

Sheldrake, R. (2005). The sense of being stared at - Part 2: Its implications for theories of vision. *Journal of Consciousness Studies, 12*(6), 32-49.

Sheldrake, R. (2005). The non-visual detection of staring - Response to commentators. *Journal of Consciousness Studies, 12*(6), 117-126.

Sheldrake, R., & Smart, P. (2005). Testing for telepathy in connection with e-mails. *Perceptual and Motor Skills, 101*(3), 771-786. doi:10.2466/pms.101.3.771-786

Sheldrake, R. (2004a). Investigaciones experimentales en telepatia por teléfono. *Revista Argentina de Psicología Paranormal, 15*, 209-230.

Sheldrake, R., Godwin, H. & Rockell, S. (2004). A filmed experiment on telephone telepathy with the Nolan sisters. *Journal of the Society for Psychical Research, 68*, 168-172.

03/02 – "The neural structures involved in procedural memory"
Investigadores/*Researchers*: Sara Cavaco, Alexandre Castro-Caldas, Steven Anderson
Instituição/*Institution*: Centro de Estudos Egas Moniz, Lisboa (Portugal)
Duração/*Duration*: 2003/11 – 2006/10

Peer-reviewed publications

Cavaco, S., Gonçalves, A., Pinto, C., Almeida, E., Gomes, F., Moreira, I., Fernandes, J., & Texeira-Pinto, A. (2015). Auditory verbal learning test in a large nonclinical Portuguese population. *Applied Neuropsychology: Adult, 22*(5), 321-331. doi:10.1080/23279095.2014.927767

Cavaco, S., Anderson, S., Correia, M., Magalhães, M., Pereira, C., Tuna, A. . . . Damásio, H. (2011). Task specific contribution of the human striatum to perceptual-motor skill learning. *Journal of Clinical and Experimental Neuropsychology, 33*(1), 51-62. doi:10.1080/13803395.2010.493144

Cavaco, S., Pinto, C., Gonçalves, A., Gomes, F., Pereira, A., Silva, S., Matos, P., & Malaquias. C. (2008). Auditory Verbal Learning Test: Dados Normativos dos 21 aos 65 anos. *Psychologica, 49*, 208-221.

Cavaco, S., Pinto, C., Gonçalves, A., Gomes, F., Pereira, A., Silva, S., Matos, P., & Malaquias. C. (2008). Trail Making Test: Dados Normativos dos 21 aos 65 anos. *Psychologica, 49*, 222-238.

11/02 – "Os efeitos dos jogos electrónicos com equipamento de Realidade Virtual na activação psicofisiológica, estruturas cognitivas, estado emocional e comportamento agressivo"
Investigadores/*Researchers*: Patrícia Paula Lourenço e Arriaga Ferreira, Francisco Esteves, Mara Paula Carneiro
Instituição/*Institution*: Centro de Estudos de Psicologia Cognitiva e da Aprendizagem, Lisboa (Portugal)
Duração/*Duration*: 2003/09 – 2006/11

Peer reviewed publication

Arriaga, P., Esteves, F., Carneiro, P., & Monteiro, M. B. (2008). Are the effects of unreal violent videogames pronounced when playing with a virtual reality system? *Aggressive Behavior, 34*(5), 521-538.

15/02 – "Bases psicofisiológicas dos fenómenos de consciência visual"
Investigadores/*Researchers*: Miguel de Sá Castelo Branco, Lajos Kozac, Mafalda Mendes, Vasco Forjaz, Manuela Guerreiro
Instituição/*Institution*: Centro de Oftalmologia, Coimbra (Portugal)
Duração/*Duration*: 2003/01 – 2005/12

Peer-reviewed publications

Castelo-Branco, M., Mendes, M., Silva, F., Massano, J., Januario, G., Januario, C., & Freire, A. (2009). Motion integration deficits are independent of magnocellular impairment in Parkinson's disease. *Neuropsychologia, 47*(2), 314-320. doi:10.1016/j.neuropsychologia.2008.09.003

Kozak, L., & Castelo-Branco, M. (2008). Peripheral influences on motion integration in foveal vision are modulated by central local ambiguity and center-surround congruence. *Investigative Ophtalmology and Visual Science, 50*(2), 980-988. doi:10.1167/iovs.08-2094

Silva, M. F., Maia-Lopes, S., Mateus, C., Guerreiro, M., Sampalo, J., Faria, P., & Castelo-Branco, M. (2008). Retinal and cortical patterns of spatial anisotropy in contrast sensitivity tasks. *Vision Research, 48*(1), 127-135. doi:10.1016/j.visres.2007.10.018

Castelo-Branco, M., Mendes, M., Sebastiao, A., Reis, A., Soares, M., Saraiva, J., … Silva, E. (2007). Visual phenotype in Williams-Beuren syndrome challenges magnocellular theories explaining human neurodevelopmental visual cortical disorders. *Journal of Clinical Investigation, 117*(12), 3720-3729. doi:10.1172/jci32ss6

Biederlack, J., Castelo-Branco, M., Neuenschwander, S., Wheeler, D., Singer, W., & Nikolic, D. (2006). Brightness induction: Rate enhancement and neuronal synchronization as complementary codes. *Neuron, 52*(6), 1073-1083. doi:10.1016/j.neuron.2006.11.012

Castelo-Branco, M., Mendes, M., Silva, M. F., Januario, C., Machado, E., Pinto, A., . . . Freire, A. (2006). Specific retinotopically based magnocellular impairment in a patient with medial visual dorsal stream damage. *Neuropsychologia, 44*(2), 238-253. doi:10.1016/j.neuropsychologia.2005.05.005

Castelo-Branco, M., Silva, M. F., Januário, C., & Freire, A. (2006). Concomitant impairment of multiple visual pathways in Parkinson's disease. *Brain, 129*(12), e62. doi:10.1093/brain/awl293

Schmidt, K., Castelo-Branco, M., Goebel, R., Payne, B., Lomber, S., & Galuske, R. (2006). Pattern motion selectivity in population responses of area 18. *European Journal of Neuroscience, 24*(8), 2363-2374. doi:10.1111/j.1460-9568.2006.05112.x

Fries, P., Castelo-Branco, M., Engel, A., & Singer, W. (2005). The functional role of oscillatory neuronal synchronization for perceptual organization and selection In R. Blake & D. Alais (Eds.), *Binocular Rivalry and Perceptual Ambiguity* (pp. 259-281). Cambridge, MA: MIT Press.

Mendes, M., Silva, F., Simoes, L., Jorge, M., Saraiva, J., & Castelo-Branco, M. (2005). Visual magnocellular and structure from motion perceptual deficits in a neurodevelopmental model of dorsal stream function. *Cognitive Brain Research, 25*(3), 788-798. doi:10.1016/j.cogbrainres.2005.09.005

Silva, M. F., Faria, P., Regateiro, F. S., Forjaz, V., Januario, C., Freire, A., & Castelo-Branco, M. (2005). Independent patterns of damage within magno-, parvo- and koniocellular pathways in Parkinson's disease. *Brain, 128*, 2260-2271. doi:10.1093/brain/awh581

20/02 – "Psychophysiological mechanisms of some aspects of neurocognitive deficit in schizophrenic patients"
Investigadores/*Researchers*: Valeria Strelets, Janna Golikova, Vladimir Novototsky-Vlasov, R.A. Magomedov, M.V. Magomedova
Instituição/*Institution*: Institute of Higher Nervous Activity and Neurophysiology, Russian Academy of Sciences (Russia)
Duração/*Duration*: 2003/02 – 2004/12

Peer-reviewed publications

Magomedov, R. A., Garakh, Z. H., Orekhov, Iu. V., Zaitseva, Iu. S., & Strelets, V. (2010). Gamma-rhythm, positive, negative symptoms and cognitive dysfunction in schizophrenia [in Russian]. *Zh Nevrol Psikhiatr Im S S Korsakova, 110*(1), 78-83.

Medkour, T., Walden, A. T., Burgess, A., & Strelets, V. (2010). Brain connectivity in positive and negative syndrome schizophrenia. *Neuroscience, 169*(4), 1779-1788. doi:10.1016/j.neuroscience.2010.05.060

Strelets, V., Faber, P., Golikova, J., Novototsky-Vlasov, V. Y., Koenig, T.,... ,Lehmann, D. (2003). Chronic schizophrenics with positive symptomatology have shortened EEG microstate durations. *Clinical Neurophysiology, 114*, 2043-2051.

21/02 – "The use of an implicit grammar task and eye measurements to study the somatic marker hypothesis"
Investigadores/*Researchers*: Dick Bierman, Axel Cleeremans, Eveline Crone
Instituição/*Institution*: Psychology Research Institute, Amsterdam (The Netherlands)
Duração/*Duration*: 2003/01 – 2005/01

Peer-reviewed publications

Bierman, D. J., Destrebecqz, A., & Cleeremans, A. (2005). Intuitive decision making in complex situations: Somatic markers in an artificial grammar learning task. *Cognitive, Affective, & Behavioral Neuroscience, 5*(3), 297-305.

25/02 – "Vinculação e regulação autonómica: desenvolvimento da versão 2.0 do BioDreAMS e aplicação a um grupo não-clínico"
Investigadores/*Researchers*: Isabel Maria Costa Soares, João Paulo Silva Cunha, Carlos da Silva Fernandes, Paulo Manuel Machado, Ovídio Costa, Maria Carolina Costa e Silva
Instituição/*Institution*: Centro de Investigação em Psicologia, Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2003/05 – 2006/09

Peer-reviewed publications

Dias, P., Soares, I., Klein, J., Cunha, J., & Roisman, G. (2011). Autonomic Correlates of Attachment Insecurity in a Sample of Women with Eating Disorders. *Attachment and Human Development, 13*(2), 155-168.

Soares, I., Machado, P., Dias, P. & Klein, J. (2008). Bindung und Ess-Stororunen. In B. Strauss (Ed), *Bindung und psychopathologie* (pp. 188-211). Munchen: Kletta-Cotta.

Soares, I. & Dias, P. (2007). Apego y psicopatología en jóvenes y adultos: Contribuciones recientes de la investigación. *International Journal of Clinical and Health Psychology*, *7*(1), 177-195.

Soares, I., Dias, P., Fernandes, C., Klein, J., Freitas, A., Ferreira, A., Felgueiras, I., Pinho, A., Figueiredo, B., Jongenelen, I., Matos, R., Gonçalves, S., Machado, P. & Cunha, J. (2002). Actividade psicofisiológica durante a AAI em pacientes com perturbações alimentares: estudo preliminar com análise de casos. *Psicologia: Teoria, Investigação e Prática, 7*(1), 143-158.

27/02 – "Anomalous/paranormal detection using psi-reading tests (Phase II): New parapsychological, psychological and neuropsychological exploration data through seven tests with selected/non-selected subjects"
Investigadores/*Researchers*: Alejandro Parra, Juan Carlos Argibay
Instituição/*Institution*: Instituto de Psicologia Paranormal, Buenos Aires (Argentina)
Duração/*Duration*: 2003/03 – 2005/01

Parra, A. (2018). Perceptual-personality variables associated with entity encounter experiences. *Australian Journal of Parapsychology, 18*(1), 23-48.

Parra, A., & Argibay, J.C. (2016). Individual, perceptual and psychological differences between psi-tested self-claimed psychics and non-psychics. *Australian Journal of Parapsychology, 16*(1), 63-84.

Parra, A. (2015) Límite "fino" y transliminalidad en relación con experiencias aparicionales. *Pensamiento Psicologico,* 7-12-2015.

Parra, A. (2015). Estilos de defensa predominantes en relación con experiencias anómalo/paranormales. *Liberabit, 21*(1), 115-121.

Parra, A., & Argibay, J.C. (2014). Psi y la muerte: Un experimento con representaciones icónicas altamente emocionales. *E-boletin Psi, 9*, 2. http://www.alipsi.com.ar/e-boletin/E-BOLETIN%20PSI_Vol.9_No.2_Mayo_2014.htm#tit03

Parra, A., & Argibay, J. C. (2013). Anomalous remote diagnosis: Mental and motor psi impressions under iconic representation of the person-target. *Journal of Parapsychology, 77*(1), 123-130.

Parra, A., & Argibay, J. C. (2012). Dissociation, absorption, fantasy proneness and sensation-seeking in psychic claimants. *Journal of the Society for Psychical Research, 76.4*(909), 193-203.

Parra, A. (2012). Una exploración experimental de la psicometría usando fotografías y nombres. E-boletin Psi, 7, 3. http://www.alipsi.com.ar/e-boletin/e-boletin_psi_7_3_Septiembre_2012.htm#tit03

Parra, A. (2011). *¿Qué es… Sensibilidad Psíquica?* Buenos Aires, Argentina: Longseller.

Parra, A. & Argibay, J. C. (2009). An experimental study with ordinary people for testing "sacred" objects through psi detection. *Journal of the Society for Psychical Research*, *73*.1 (894), 41-49.

Parra, A., & Argibay, J. C. (2009). "Face-to-face" psychic vs. "remote" psychic readings: Comparing psychics/non-psychic groups mediatized by "token-object" effect. *Australian Journal of Parapsychology*, *9*, 57-69.

Parra, A. & Argibay, J. C. (2009). Research brief: an experimental study with ordinary people for testing "sacred" objects through psi detection. *Journal of the Society of Physical Research, 73*(1), 41-49.

Parra, A., & Argibay, J. C. (2009). Un experimento de psicometría bajo condiciones de sesiones "cara a cara" en comparación con lecturas "a distancia": Comparando psíquicos y no psíquicos. *E-boletin Psi, 5*, 1.

Parra, A., & Argibay, J. C. (2008). Reading faces: An experimental exploration of psychometry using photographs and names. *Australian Journal of Parapsychology, 8,* 47-57.

Parra, A., & Argibay, J. C. (2007). Comparing a free-response psychometry test with a free-response visual imagery test for a non-psychic sample. *Journal of the Society for Psychical Research, 71.2*(887), 91-99.

Parra, A., & Argibay, J. C. (2007). Comparing psychics and non-psychics through a "token-object" forced choise ESP test. *Journal of the Society for Psychical Research, 71.2*(887), 80-90.

Parra, A., & Argibay, J. C. (2007). Interrelación entre disociación, absorción y propensidad a la fantasía con experiencia alucinatorias en poblaciones no-psicóticas. *Persona, 10*, 213-231

28/02 – "Emotional factors in placebo analgesia: Psychophysiological experiments"

Investigadores/*Researchers*: Magne Arve Flaten, Oddmund Johansen, Terje Simonsen, Jan Brox, Arnstein Finset

Instituição/*Institution*: Department of Clinical Research, University Hospital of North Norway (Norway)

Duração/*Duration*: 2003/03 – 2006/10

Peer-reviewed publications

Aslaksen, P., Myrbakk, I., Høifødt, R., & Flaten, M. (2007). The effect of experimenter gender on autonomic and subjective responses to pain stimuli. *Pain, 129*(3), 260-268. doi:10.1016/j.pain.2006.10.011

Flaten, M. A., Aslaksen, P., Finset, A., Simonsen, T., & Johansen, O. (2006). Cognitive and emotional factors in placebo analgesia. *Journal of Psychosomatic Research, 61*(1), 81-89. doi:10.1016/j.jpsychores.2005.12.004

Friborg, O., Hjemdal, O., Rosenvinge, J. H., Martinussen, M., Aslaksen, P. M., & Flaten, M. A. (2006). Resilience as a moderator of pain and stress. *Journal of Psychosomatic Research, 61*(2), 213-219. doi:10.1016/j.jpsychores.2005.12.007

30/02 – "Exploring the limits of human perception: The psychological and physiological detection of normal and remote staring"
Investigadores/*Researchers*: Ian Baker, Paul Stevens
Instituição/*Institution*: Koestler Parapsychology Unit, The University of Edinburgh (UK)
Duração/*Duration*: 2004/01 – 2005/05

Peer-reviewed publications

Baker, I. S., & Stevens, P. (2013). An anomaly of an anomaly: Investigating the cortical electrophysiology of remote staring detection. *Journal of Parapsychology, 77*(1), 107-122.

Baker, I. S. & Stevens, P. (2008). An investigation into the cortical electrophysiology of remote staring detection. In S. Sherwood & B. Carr (Eds.), *Proceedings of the Parapsychological Association 51st & the Society for Psychical Research 32nd Annual Convention* (pp. 8-23). The Parapsychological Association, Inc.

35/02 – "Near-death experiences during induced cardiac arrest"
Investigadores/*Researchers*: Bruce Greyson, Paul Mounsey, Martha Mercier, Janet Holden
Instituição/*Institution*: Division of Personality Studies, University of Virginia (USA)
Duração/*Duration*: 2003/06 – 2007/03

Peer-reviewed publications

Greyson, B., Holden, J. M., & Mounsey, J. P. (2006). Failure to elicit near-death experiences in induced cardiac arrest. *Journal of Near-Death Studies, 25*, 85-98.

37/02 – "Investigating individual differences in EDA response to emotional stimuli in a DMILS paradigm"
Investigadores/*Researchers*: Peter Ramakers, Paul Stevens
Instituição/*Institution*: Koestler Parapsychology Unit, The University of Edinburgh (UK)
Duração/*Duration*: 2004/01 – 2007/01

Peer-reviewed publications

Ramakers, P. (2008). ESP of emotions using skin conductance as indicator of psi. *Journal of the Society for Psychical Research, 72.1*(890), 21-33.

Ramakers, P., Stevens, P., & Morris R. L. (2005). The effect of remote emotion on receiver skin conductance. *Proceedings of the 29th International Conference of the Society for Psychical Research*, Bath.

46/02 – "Preservation and change in two temperamental types"
Investigadores/*Researchers*: Jerome Kagan, Nancy Snidman
Instituição/*Institution*: Harvard University Psychology Department, Cambridge (USA)
Duração/*Duration*: 2003/01 – 2005/09

Peer-reviewed publications

Kagan, J., Snidman, N., Kahn, V., Towsley, S., Steinberg, L., & Fox, N. (2007). The preservation of two infant temperaments into adolescence. *Monographs of the Society for Research in Child Development, 72*(2), vii, 1-95.

Kagan, J. (2004). The limitations of concepts in developmental psychology. *Merrill-Palmer Quarterly-Journal of Developmental Psychology, 50*(3), 291-298. doi:10.1353/mpq.2004.0019

Kagan, J. (2004). *The long shadow of temperament*. Cambridge, MA: Harvard University Press.

47/02 – "Effects of distant emotions on the human enteric nervous system"
Investigadores/*Researchers*: Marilyn Schlitz, Dean Radin
Instituição/*Institution*: Institute of Noetic Sciences, California (USA)
Duração/*Duration*: 2003/01 – 2004/03

Peer-reviewed publications

Radin, D., & Schlitz, M. (2005). Gut feelings, intuition, and emotions: An exploratory study. *Journal of Alternative and Complementary Medicine, 11*(1), 85-91. doi:10.1089/acm.2005.11.85

51/02 – "Psychological and parapsychological investigations of alleged alien abductees: Phase I"
Investigadores/*Researchers*: Christopher Charles French, Julia Samtomauro, Michael Thalbourne
Instituição/*Institution*: Anomalistic Psychology Research Unit, Goldsmiths College, University of London (UK)
Duração/*Duration*: 2003/10 – 2006/01

Peer-reviewed publications

French, C. C., Santomauro, J., Hamilton, V., Fox, R. & Thalbourne, M. A. (2008) Psychological aspects of the alien contact experience. *Cortex, 44*(10), 1387-1395.

52/02 – "A qualitative analysis of rapport and alignment in experimenter-subject interaction in ganzfeld experiments"
Investigador/*Researcher*: Robin Wooffitt
Instituição/*Institution*: Department of Sociology, University of York (UK)
Duração/*Duration*: 2003/07 – 2004/08

Peer-reviewed publications

Wooffitt, R., & Allistone, S. (2008). Participation, procedure and accountability: reported speech markers in a parapsychology experiment. *Discourse Studies, 10*, 407-427.

Wooffitt, R. (2007). Communication and laboratory experience in parapsychology experiments: demand characteristics and the social organization of interaction. *British Journal of Social Psychology*, *46*(3) 477-498.

Wooffltt, R. (2006). The interactional basis of subjects' circumspect stance towards their imagery in mentation review stage of ganzfeld experiments. In *Proceedings of the 49th Annual Convention of the Parapsychological Association.* New York: The Parapsychological Association.

Wooffitt, R., & Allistone, S. (2005). Towards a discursive parapsychology - Language and the laboratory study of anomalous communication. *Theory & Psychology, 15*(3), 325-355. doi:10.1177/0959354305053218

Wooffitt, R. (2003). Conversation analysis and parapsychology: Experimenter-subject interaction in ganzfeld experiments. *Journal of Parapsychology, 67*(2), 299-323.

Wooffitt, R. (2003). Conversation analysis and parapsychology. In *Proceedings of the 46th Annual Convention of the Parapsychological Association* New York: The Parapsychological Association (pp. 305-328).

54/02 – "Further developments and applications of the digital ganzfeld"
Investigadores/*Researchers*: Adrian Parker, Joakim Westerlund
Instituição/*Institution*: Psychology Department, University of Gothenburg (Sweden)
Duração/*Duration*: 2003/02 – 2006/02

Peer-reviewed publications

Parker, A. (2010). A ganzfeld study using identical twins. *Journal of the Society for Psychical Research, 74*(899), 118-130.

Paulsson, T., & Parker, A. (2006). The Effects of a two week reflection-Intention training program on lucid dream Recall. *Dreaming: the Journal of the Association for the Study of Dreams, 16(1*), 22-35.

Westerlund, J., Parker, A., Dalkvist, J., & Hadlaczky, G. (2006). Remarkable correspondences between Ganzfeld mentation and target content – a psychical or psychological effect? *Journal of Parapsychology, 70(1*), 23-48.

Parker, A. (2003). We ask does psi exist? But is this right question and do we really want an answer anyway? *Journal of Consciousness Studies, 10*, 111-134.

Parker, A., & Brusewitz, G. (2003). A compendium of the evidence for Psi. *European Journal of Parapsychology, 18,* 33-52.

55/02 – "Mapping the time course of emotional information processing in anxious and repressive/defensive individuals"
Investigadores/*Researchers*: Nazanin Derakshan, Ottmar Lipp
Instituição/*Institution*: University of Leeds (UK) and University of Queensland (Australia)
Duração/*Duration*: 2003/04 – 2008/04

Peer-reviewed publications

Fox, E., Derakshanm N, & Shoker, L. (2008). Trait anxiety modulates the electrophysiological indices of rapid spatial orienting towards angry faces. *Neuroreport, 19*(3), 259-263.

57/02 – "Implicit learning and parapsychology: Exploring the boundaries of unconscious processes"
Investigadores/*Researchers*: Stuart Wilson
Instituição/*Institution*: Queen Margaret University College, Edinburgh (UK)
Duração/*Duration*: 2003/04 – 2005/07

Peer-reviewed publications

Wilson, S., & Hamlin, I. (2007) Implicit Learning in a Card Prediction Task. *European Journal of Parapsychology*, 221, 3-29

58/02 – "Vinculação materna: dimensões hormonais envolvidas no processo inicial de vinculação da mãe ao bebé"
Investigadores/*Researchers*: Bárbara Fernandes Figueiredo, Raquel Costa, Alexandra Pacheco, Álvaro Ferreira Pais
Instituição/*Institution*: Centro de Investigação em Psicologia, Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2003/01 – 2007/06

Peer-reviewed publications

Costa, R., Pacheco, A., & Figueiredo, B. (2012). Antecipação e experiência emocional de parto. *Psicologia, Saúde e Doenças, 13*(1), 2012, 15-35.

Figueiredo, B., Costa, R., Pacheco, A., & Conde, A. (2009). Mother's Stress, Mood and Emotional Involvement with the Infant: 3 months before and after childbirth. *Archives of Women's Mental Health, 12*(3), 143-153. doi:10.1007/s00737-009-0059-4.

Figueiredo, B., Costa, R., Pacheco, A., & Pais, A. (2009). Mother-to-infant emotional involvement at birth. *Maternal and Child Health Journal. 13*(4), 539-49. doi:10.1007/s10995-008-0312-x.

Conde, A., Figueiredo, B., Costa, R., Pacheco, A., & Pais, A. (2008). Perception of childbirth experience: Continuity and changes over the postpartum period. *Journal of Reproductive and Infant Psychology, 26*(2), 139-154. doi:10.1080/02646830801918414.

Costa, C., Pacheco, P. & Figueiredo, B. (2007). Prevalência e preditores de sintomatologia depressiva após o parto. *Revista de Psiquiatria Clínica, 34*(4), 157-165.

Figueiredo, B., Costa, R., Pacheco, A., Conde, A. & Teixeira, C. (2007). Anxiété, dépression et investissement émotionnel de l'enfant pendant la grossesse. *Devenir, 19*(3), 243-260.

Figueiredo, B., Costa, R., Pacheco, A., & Pais, A. (2007). Mother-to-infant and father-to-infant initial emotional involvement. *Early Child Development and Care, 177*(5), 521-532. doi:10.1080/03004430600577562

Figueiredo, B., Pacheco, A., & Costa, R. (2007). Depression during pregnancy and the postpartum period in adolescent and adult Portuguese mothers. *Archives of Women's Mental Health, 10*(3), 103-109. doi:10.1007/s00737-007-0178-8

Figueiredo, B. (2005). 'Bonding' pais-bebé. In I. Leal (Ed.), *Psicologia da gravidez e da parentalidade* (pp.287-314). Lisboa: Fim de Século.

Figueiredo, B., Costa, R., Marques A., Pacheco, A., & Pais, A. (2005). Envolvimento emocional inicial dos pais com o bebé. *Acta Pediátrica Portuguesa*, 36(2/3), 121-131.

Figueiredo, B., Marques, A., Costa, R., Pacheco, A., & Pais, A. (2005). Bonding: Escala para avaliar o envolvimento emocional dos pais com o bebé. *Psychologica, 40*, 133-154.

Costa, R., Figueiredo, B., Pacheco, A, Marques, A., & Pais, A. (2004). Questionário de experiência e satisfação com o parto (QESP). *Psicologia, Saúde e Doenças, 5*(2), 159-187.

Figueiredo, B. (2003). Vinculação materna: Contributo para a compreensão das dimensões envolvidas no processo inicial de vinculação da mãe ao bebé. *International Journal of Clinical and Health Psychology, 3*(3), 521-539.

61/02 – "Investigation of mediums who claim to give information about deceased persons"
Investigadores/*Researchers*: Emily Williams Kelly, Bruce Greyson, Jim Tucker, Dianne Arcangel, Edward Kelly
Instituição/*Institution*: Division of Personality Studies, University of Virginia (USA)
Duração/*Duration*: 2003/10 – 2008/01

Peer reviewed publication

Kelly, E., & Arcangel, D. (2011). An investigation of mediums who claim to give information about deceased persons. *Journal of Nervous and Mental Disease, 199*(1), 11-17. doi:10.1097/NMD.0b013e31820439da

66/02 – "Considering the sender in ostensible ganzfeld ESP studies to be a PK source"
Investigadores/*Researchers*: Chris Roe, Nicola Holt
Instituição/*Institution*: University College Northampton (UK)
Duração/*Duration*: 2003/12 – 2005/12

Peer-reviewed publications

Holt, N., & Roe, C. A. (2006). The sender as a PK agent in ESP studies: The Effects of agent and target system lability upon performance at a novel PK task. *Journal of Parapsychology, 70*(1), 49-67.

Roe, C. A., & Holt, N. (2006). The effects of strategy ('willing' versus absorption) and feedback (immediate versus delayed) on PK performance. *Journal of Parapsychology, 70*(1), 69-90

Roe, C. A., & Holt, N., (2006). Assessing the role of the sender as a PK agent in ESP studies: The effects of strategy ('willing' versus absorption) and feedback (immediate versus delayed) on psi performance. *Proceedings of Presented Papers: The Parapsychological Association 49th Annual Convention* (pp. 189-204).

Roe, C. A., & Holt, N. (2005). A further consideration of the sender as a PK agent in ganzfeld ESP studies. *Journal of Parapsychology*, 69, 113-127.

Holt, N. J., & Roe, C. A. (2005). The sender as a PK agent in ESP studies: The Effects of agent and target system lability upon performance at a novel PK task. *Proceedings of Presented Papers: The Parapsychological Association 48th Annual Convention*, (pp. 57-70).

Roe, C. A., & Holt, N., (2004). A further consideration of the sender as a PK agent in ganzfeld ESP studies. *Proceedings of Presented Papers: The Parapsychological Association 47th Annual Convention* (pp. 197-206).

Roe, C. A., Holt, N., & Simmonds, C. A. (2003). Considering the sender as a PK agent in ganzfeld ESP studies. *Journal of Parapsychology*, 67, 129-145.

76/02 – "Extended communication of affective states: physiological and emotional responses to non-sensory stimuli"
Investigador/*Researcher*: Paul Stevens
Instituição/*Institution*: Koestler Parapsychology Unit, The University of Edinburgh (UK)
Duração/*Duration*: 2004/01 – 2005/05

Peer-reviewed publications

Stevens, P. (2007). Affective response to 5 microT ELF magnetic field-induced physiological changes. *Bioelectromagnetics, 28*(2), 109-114. doi:10.1002/bem.20280

81/02 – "Effects of GSM use of brain function and information processing - Phase I"
Investigadores/*Researchers*: M. W. Arns, E.L.J.M. van Luijtelaar
Instituição/*Institution*: The Brain Resource Company, Nijmegen (The Netherlands)
Duração/*Duration*: 2003/01 – 2003/09

Peer-reviewed publications

Arns, M., Van Luijtelaar, G., Sumich, A., Hamilton, R., & Gordon, E. (2007). Electroencephalographic, personality, and executive function measures associated with frequent mobile phone use. *International Journal of Neuroscience, 117*(9), 1341-1360. doi:10.1080/00207450600936882

82/02 – "Comparative study of brain processes related to space-induced and clinical oculomotor disturbances"
Investigadores/*Researchers*: Inessa B. Kozlovskaya, Elena Tomilovskaya, Anna Kirenskaya, Vladimir Novototsky-Vlasov, Vadim Myamlin
Instituição/*Institution*: State Research Centre RF Institute for Biomedical Problems, Moscow (Russia)
Duração/*Duration*: 2003/02 – 2005/01

Peer-reviewed publications

Kirenskaya, A., Kamenskov, M., Myamlin, V., Novototsky-Vlasov, V. Y., & Tkachenko, A. (2013). The antisaccade task performance deficit and specific CNV abnormalities in patients with stereotyped paraphilia and schizophrenia. *Journal of Forensic Sciences, 58*(5), 1219–1226. doi:10.1111/1556-4029.12241

Kirenskaya, A., Myamlin, V., Novototsky-Vlasov, V. Y., Pletnikov, M., & Kozlovskaya, I. (2011). The contingent negative variation laterality and dynamics in antisaccade task in normal and unmedicated schizophrenic subjects. *Spanish Journal of Psychology, 14*(2), 869-83. doi:10.5209/rev_SJOP.2011.v14.n2.34

Slavutskaya, M., Kirenskaya, A., Novototsky-Vlasov, V. Y., Shulgovsky, V. & Kozlovskaya, I. (2005). Slow cortical potentials preceding visually guided saccades in schizophrenics. *Human physiology, 31*(5), 545-553. doi:10.1007/s10747-005-0095-z

Tomilovskaya, E., Kirenskaya, A., Novototsky-Vlasov, V. Y. , & Kozlovskaya, I. (2004). Event-related EEG changes preceding saccadic eye movements before and after dry immersion. *Journal of Gravitational Physiology, 11*(2), 333-34.

88/02 – "A neuropsychological examination of orbitofrontal cortex function in eating disorders"
Investigadores/*Researchers*: Janet Treasure, Kate Tchanturia
Instituição/*Institution*: Institute of Psychiatry, King's College London (UK)
Duração/*Duration*: 2003/03 – 2004/09

Peer-reviewed publications

Southgate, L., Tchanturia, K., Treasure, J. (2009). *Neuropsychological Studies in Eating Disorders: A Review*. New York: Nova Science.

Whitney, J., Easter, A., & Tchanturia, K. (2008). Service users' feedback on cognitive training in the treatment of anorexia nervosa: A qualitative study. *International Journal of Eating Disorders, 41*(6), 542–550. doi:10.1002/eat.20536

Tchanturia, K., Liao, P.-C., Uher, R., Lawrence, N., Treasure, J., Campbell, I. (2007). An investigation of decision making in anorexia nervosa using the Iowa Gambling Task and skin conductance measurements. *Journal of the International Neuropsychological Society, 13*(4), 635-641. doi:10.1017/S1355617707070798

Roberts, M., Dermetriou, L., Tchanturia, K. (2007). Neuropsychological profile in the overweight population: An exploratory study of set-shifting and detail focused processing styles. *Therapy, 4*(6), 821-824. doi:10.2217/14750708.4.6.821

Tchanturia, K., Campbell, I., Morris, R., Treasure, J. (2005). Neuropsychological studies in anorexia nervosa. *International Journal of Eating Disorders, Special Issue Anorexia Nervosa*, *37*(S1), S72-S76. doi:10.1002/eat.20119

Campbell I, Tchanturia K, Connan F, Uher R. (2004) *"Issues in Eating Dissorders".* Journal of Georgian Psychiatry.

90/02 – "Brain function, creativity, paranormal ideation and risk for psychosis"
Investigadores/*Researchers*: Alex Sumich, Michael Brammer, Dominic Ffytch
Instituição/*Institution*: Brain Image Analysis Unit, Institute of Psychiatry, King's College London (UK)
Duração/*Duration*: 2003/03 – 2005/04

Peer-reviewed publications

Sumich, A., Harris, A., Whitford, T., Hermens, D., Heym, N., ..., Kumari, V. (2018). Neurophysiological correlates of excitement in men with recent-onset psychosis. *Psychiatria Danubina, 30*(1), 64-71. doi:10.24869/psyd.2018.64

Sumich, A., Castro, A., Anilkumar, A., Zachariach, E., & Kumari, V. (2013). Neurophysiological correlates of excitement in schizophrenia. *Progress in Neuro-Psychopharmacology and Biological Psychiatry, 46*, 132–138. doi:10.1016/j.pnpbp.2013.06.018

Sumich, A., Kumari, V., Gorden, E., Tunstall, N., & Brammer, M. (2008). Event-related potential correlates of paranormal ideation and unusual experiences. *Cortex, 44*(10), 1342-1352. doi:10.1016/j.cortex.2007.10.012.

Sumich, A., Harris, A., Flynn, G., Whitford, T., Tunstall, N., ..., & Williams, L. (2006). Event-related potential correlates of depression, insight and negative symptoms in males with recent-onset psychosis. *Clinical Neurophysiology, 117*(8), 1715-1727.

Sumich, A., Kumari, V., Heasman, B., Gordon, E., & Brammer, M. (2006). Abnormal asymmetry of N200 and P300 event-related potentials in subclinical depression. *Journal of Affective Disorders, 92*(2), 171-183.

96/02 – "Face processing in 3-day-olds: an electrophysiological approach"
Investigadores/*Researchers*: Olivier Pascalis, de Haan Michelle, Saachi Reza
Instituição/*Institution*: Department of Psychology, The University of Sheffield (UK)
Duração/*Duration*: 2003/01 – 2005/02

Peer-reviewed publications

Milne, E., Scope, A., Pascalis, O., Buckley, D., & Makeig, S. (2009). Independent component analysis reveals atypical electroencephalographic activity during visual perception in individuals with autism. *Biological Psychiatry, 65*(1), 22-30. doi:10.1016/j.biopsych.2008.07.017

109/02 – "Retrocausal Signalling with Prestimulus Response"
Investigador/*Researcher*: James Spottiswoode
Instituição/*Institution*: Geonet Technologies, Inc., Beverly Hills (USA)
Duração/*Duration*: 2003/02 – 2004/04

Peer-reviewed publications

Spottiswoode, J., & May, E. C. (2003). Skin conductance prestimulus response: Analyses, artifacts and a pilot study. *Journal of Scientific Exploration, 17*(4), 617-641.

111/02 – "The pro attitude and its relationship to psi in a psychophysiological study involving the I Ching and the ProComp+ Neuro-biofeedback apparatus"
Investigadores/*Researchers*: Michael Thalbourne, Lance Storm
Instituição/*Institution*: Anomalistic Psychology Research Unit, Dep. Psychology, University of Adelaide (Australia)
Duração/*Duration*: 2003/03 – 2004/09

Peer-reviewed publications

Thalbourne, M. A., & Storm, L. (2014). A further study of psychopraxia using the *I Ching*. *Australian Journal of Parapsychology,14,* 115-142.

Storm, L., & Burns, N. R. (2007). Pro attitude and macro-PK: A pilot study using neuro-feedback and EMG biofeedback. *Australian Journal of Parapsychology*, *7*, 112-133.

117/02 – "Psiconeurofisiologia comparativa entre as memórias traumáticas de vida actual e as memórias traumáticas de supostas vidas passadas: SPECT cerebral em 20 pacientes submetidos à Terapia Regressiva Vivencial Peres"
Investigadores/*Researchers*: Maria Júlia Prieto Peres, Júlio Prieto Peres, Regis Cavini Ferreira, Vivian Pires de Albuquerque
Instituição/*Institution*: Instituto Nacional de Pesquisa e Terapia Regressiva Vivencial Peres, São Paulo (Brasil)
Duração/*Duration*: 2003/01 – 2008/03

Peer-reviewed publications

Peres, J. F., Moores, K., Nasello, A. G., & McFarlane, A. (2008). Traumatic memories: bridging the gap between functional neuroimaging and psychotherapy. *Australian and New Zealand Journal of Psychiatry, 42*(6), 478-488.

Peres, J. F., Peres, M., & Nasello, A.G. (2008). Psychotherapy and Neurosciences: toward closer integration. *International Journal of Psychology, 43*(6), 943-957. doi:10.1080/00207590701248487.

Peres, J. F., Newberg, A. B., Mercante, J. P., Simão, M., Albuquerque, V., Peres, M., & Nasello, A.G. (2007). Cerebral blood changes during retrieval of traumatic memories before and after psychotherapy. *Psychological Medicine, 37*, 1481-1491.

Peres, J. F., Peres, M., Moreira-Almeida, A., Nasello, A.G., & Koenig, H. (2007). Spirituality and Resilience in Trauma Victims. *Journal of Religion & Health, 46*, 343-350.

118/02 – "Differential Responses to target vs. Non-Target Psi Stimuli: An Event-Related fMRI Study"
Investigadores/*Researchers*: Stephen Kosslyn, Sam Moulton
Instituição/*Institution*: Harvard University Psychology Department and NMR Center (USA)
Duração/*Duration*: 2003/01 – 2007/01

Peer-reviewed publications

Moulton, S. T., & Kosslyn, S. M. (2008). Using neuroimaging to resolve the Psi debate. *Journal of Cognitive Neuroscience, 20*(1), 182-192. doi:10.1162/jocn.2008.20.1.182

124/02 – "The flexibility of physical body boundaries and its relationship to out-of-body experiences"
Investigadores/*Researchers*: Craig Murray, Jezz Fox
Instituição/*Institution*: Liverpool Hope University College (UK)
Duração/*Duration*: 2003/08 – 2004/12

Peer-reviewed publications

Murray, C. D., Fox, J. (2007) Casting shadow and light on the peer review process: a reply to Neppe's 'Interpreting key variables in parapsychological phenomenology by single vs. screening questions'. *Australian Journal of Parapsychology*, *7*(2), 172-181

Murray, C. D., Fox, J., & Pettifer, S. (2007). Absorption, dissociation, locus of control and presence in virtual reality. *Computers in Human Behavior, 23*(3), 1347-1354. doi:10.1016/j.chb.2004.12.010

Murray, C. D., & Fox, J. (2006). From dreams to (virtual) reality: Exploring behavioural embodiment in out-of-body experients. *Australian Journal of Parapsychology, 6*(2), 125-134.

Murray, C. D., & Fox, J. (2005). The out-of-body experience and body image: Differences between experients and nonexperients. *Journal of Nervous and Mental Disease, 193*(1), 70-72. doi:10.1097/01.nmd.0000149223.77469.da

Murray, C., & Fox, J. (2005). Dissociational body experiences: Differences between respondents with and without prior out-of-body-experiences. *British Journal of Psychology, 96*(4), 441-456. doi:10.1348/000712605X49169

Murray, C., Fox, J. (2004). Body image in respondents with and without out-of-body experiences. In S. Schmidt (Ed.), *Proceedings of the Parapsychological Association, 47th Annual Convention* (pp.145-156), Vienna.

126/02 – "Servindo dois lados: As características do trabalho como preditores de respostas psicossociais e psicofisiológicas ao stress em médicos e enfermeiros em posições de gestão"
Investigadores/*Researchers*: Scott Elmes McIntyre, Teresa McIntyre, João Manuel Salgado, João Paulo Pereira, José da Costa Dantas, Derek Johnston, Martyn Jones
Instituição/*Institution*: Centro de Investigação, de Formação e Intervenção em Saúde, Maia (Portugal)
Duração/*Duration*: 2003/05 – 2007/09

Peer-reviewed publications

Simães, C., & Gomes, R. (2019). Psychological distress on nurses: The role of personal and professional characteristics. In P. Arezes, J. S. Baptista, M. P. Barroso, P. Carneiro, P. Cordeiro, N. Costa, R. B. Melo, A. S. Miguel, & G. Perestrelo (Eds), *Occupational and Environmental Safety and Health. Studies in Systems, Decision and Control* (Vol. 202, pp. 601-610). Cham, Switzerland: Springer. doi:10.1007/978-3-030-14730-3_64

Simães, C., McIntyre, S., & McIntyre, T. (2019). Adaptation and validation of the work-family conflict and family-work conflict scales in Portuguese nurses: 10-item version. In P. Arezes, J. S. Baptista, M. P. Barroso, P. Carneiro, P. Cordeiro, N. Costa, R. B. Melo, A. S. Miguel, & G. Perestrelo (Eds), *Occupational and Environmental Safety and Health. Studies in Systems, Decision and Control* (Vol. 202, pp. 611-620). Cham, Switzerland: Springer. doi:10.1007/978-3-030-14730-3_65

127/02 – "Pursuing psi in a non-euroamerican culture: Behavioral DMILS in Bali"
Investigadores/*Researchers*: Hoyt Edge, Luh Ketut Suryaní
Instituição/*Institution*: College of Arts and Sciences, Rollins College, Winter Park (USA)
Duração/*Duration*: 2003/03 – 2005/03

Peer-reviewed publications

Edge, H., & Suryani, L. K. (2002). A cross-cultural analysis of volition. *Florida Philosophical Review, 2*(2), 56-72.

136/02 – "Factors affecting the relationship between human intentionality and the hemolysis of red blood cells"
Investigadores/*Researchers*: John Palmer, Stephen Baumann, Christine Simmonds, Colleen Rae, Anne Poole
Instituição/*Institution*: Rhine Research Center, Durham (USA)
Duração/*Duration*: 2003/05 – 2005/03

Peer-reviewed publications

Palmer, J., Simmonds-Moore, C. A., & Baumann, S. (2006). Geomagnetic fields and the relationship between human intentionality and the hemolysis of red blood cells. *Journal of Parapsychology*, *70*, 275-301.

Palmer, J., Baumann, S., & Simmonds, C. A. (2005). Factors affecting the relationship between human intentionality and the hemolysis of red blood cells. *Proceedings of Presented Papers: The Parapsychological Association 48th Annual Convention* (pp. 119-130).

139/02 – "Experimenter effects and Psi performance using a digital autoganzfeld system"
Investigador/*Researcher*: Matthew D. Smith
Instituição/*Institution*: Liverpool Hope University College (UK)
Duração/*Duration*: 2003/10 – 2008/04

Peer-reviewed publications

Smith, M. D. & Savva, L. (2008). Experimenter effects in the ganzfeld. In S. J. Sherwood (Ed.), *Parapsychological Association/Society for Psychical Research Annual Conference Proceedings of Presented Papers*.

143/02 – "Receiver's EDA and skin temperature changes in remote bio-PK attack "Toh-ate"
Investigadores/*Researchers*: Mikio Yamamoto, Hideyuki Kokubo, Weizhong Chen
Instituição/*Institution*: National Institute of Radiological Sciences, Chiba-shi (Japan)
Duração/*Duration*: 2003/02 – 2004/09

Peer-reviewed publications

Kokubo, H., Yoichi, H., & Yamamoto, M. (2004). Quantitative experiments on remote action toh-ate. *Journal of International Society of Life Information Science, 22*(2), 294-301.

Kokubo, H., Haraguchi, S., Kotake, J., Yoichi, H., Chen, W., Zhang, T., ... & Yamamoto, M. (2003). Estimation of receiver's discriminability index in remote action against human. *Journal of International Society of Life Information Science, 21*(1), 110-114.

Chen, W., Kokubo, H., Kawano, K., & Yamamoto, M. (2002). Skin temperature changes of receiver's laogong on the left hand in remote action experiment (II), *Journal of International Society of Life Information Science, 20*(1), 70-77.

Publicações revistas por pares – Apoios à Investigação Científica 2004/05
Peer-reviewed publications – Grants for Scientific Research 2004/05

07/04 – "Prestimulus Response in the Sympathetic/Parasympathetic Nervous System"
Investigador/*Researcher*: Edwin C. May
Instituição/*Institution*: Laboratories for Fundamental Research, Palo Alto (USA)
Duração/*Duration*: 2005/01 – 2008/04

Peer-reviewed publications

Marwaha, S. B., & May, E. C. (2016). Precognition: The only form of psi? *Journal of Consciousness Studies*, *23*(3-4), 76-100.

May, E. C., Paulinyi, T., & Vassy, Z. (2005). Anomalous anticipatory skin conductance response to acoustic stimuli: experimental results and speculation about a mechanism. *The Journal of Alternative and Complementary Medicine, 11*(4), 695-702. doi:10.1089/acm.2005.11.695

09/04 – "Structural biology of human brain CNP, a protein essential for axonal survival"
Investigador/*Researcher*: Andreas Hofmann
Instituição/*Institution*: Institute of Cell & Molecular Biology, The University of Edinburgh (UK)
Duração/*Duration*: 2005/02 – 2007/04

Peer-reviewed publications

Rebaud, S., Simon, A., Wang, C. K., Mason, L., Blum, L., Hofmann, A., & Girard-Egrot, A. (2014). Comparison of VILIP-1 and VILIP-3 binding to phospholipid monolayers. *PLoS ONE, 9*(4): e93948. doi:10.1371/journal.pone.0093948

Rebaud, S., Wang, C. K., Sarkis, J., Mason, L., Simon, A., Blum, L. J., Hofmann, A., Girard-Egrot, A. P. (2014). Specific interaction to PIP2 increases the kinetic rate of membrane binding of VILIPs, a subfamily of Neuronal Calcium Sensors (NCS) proteins. *Biochimica et Biophysica Acta, 1838*(10), 2698-2707. doi:10.1016/j.bbamem.2014.06.021

Wang, C. K., Simon, A., Jessen, C. M., Oliveira, C. L., Mack, L., Braunewell, K.-H., … Hofmann, A. (2011). Divalent cations and redox conditions regulate the molecular structure and function of Visinin-like Protein 1. *PLoS ONE, 6*(11), e26793. doi:10.1371/journal.pone.0026793

Braunewell, K. H., Paul, B., Altarche-Xifro, W., Noack, C., Lange, K., & Hofmann, A. (2010). Interactions of visinin-like proteins with phospho-inositides. *Australian Journal of Chemistry, 63*(3), 350-356. doi:10.1071/CH09355

Braunewell, K.-H., Brackmann, M., & Hofmann, A. (2006). VILIP-1, A novel regulator of the guanylate cyclase transduction system in neurons. *Calcium Binding Proteins, 1*(1), 12-15.

14/04 – "Detection and Utilization of Consciousness-Related Information Fields Stimulated in Coherent Group Environments (FieldREG)"
Investigadores/*Researchers*: Robert G. Jahn, Brenda J. Dunne, York H. Dobyns
Instituição/*Institution*: Princeton Engineering Anomalies Research (PEAR), New Jersey (USA)
Duração/*Duration*: 2005/01 – 2006/02

Peer-reviewed publications

Jahn, R. G., Dunne, B. J., Acunzo, D. J., & Hoeger, E. S. (2007). Response of an REG-Driven robot to operator intention. *Journal of Scientific Exploration, 21*(1), 27-46.

Jahn, R. G., & Dunne, B. J. (2005). Consciousness, information, and living systems. *Cellular & Molecular Biology, 51*, 703-714. doi:10.1170/T679

Jahn, R. G., & Dunne, B. J. (2005). Endophysical models based on empirical data. In R. Buccheri, A. C. Elitzur, & M. Saniga (Eds.), *Endophysics, Time, Quantum and the Subjective:*

Proceedings of the ZiF Interdisciplinary Research Workshop (pp. 91–94). Singapore: World Scientific Publishing.

Jahn, R. G., & Dunne, B. J. (2005). The PEAR proposition. *Journal of Scientific Exploration, 19*(2), 195-245.

15/04 – "Pain control from the brain - gene therapy in the treatment of chronic pain"
Investigadores/*Researchers*: Deolinda Lima, Isaura Ferreira Tavares, Marta Pinto, Isabel Martins
Instituição/*Institution*: Instituto de Histologia e Embriologia, Faculdade de Medicina da Universidade do Porto (Portugal)
Duração/*Duration*: 2005/01 – 2009/01

Peer-reviewed publications

Martins, I., Costa-Araújo, S., Fadel, J., Wilson, S. P., Lima, D., & Tavares, I. (201). Reversal of neuropathic pain by HSV-1-mediated decrease of noradrenaline in a pain facilitatory area of the brain. *Pain, 151*(1), 137-145. doi:10.1016/j.pain.2010.06.027

Martins, I., Pinto, M., Wilson, S. P., Lima, D., & Tavares, I. (2008). Dynamic of migration of HSV-1 from a medullary pronociceptive centre: antinociception by overexpression of the preproenkephalin transgene. *European Journal of Neuroscience, 28*(10), 2075-2083. doi:10.1111/j.1460-9568.2008.06492.x

Pinto, M., Castro, A. R., Tushdy, F., Wilson, S. P., Lima, D., & Tavares, I. (2008). Opioids modulate pain facilitation from the dorsal reticular nucleus. *Molecular and Cellular Neurosciences, 39*(4), 508-518. doi:10.1016/j.mcn.2008.07.008

Pinto, M., Sousa, M., Lima, D., & Tavares, I. (2008). Participation of μ-opioid, GABAB, and NK1 receptors of major pain control medullary areas in pathways targeting the rat spinal cord: Implications for descending modulation of nociceptive transmission. *Journal of Comparative Neurology, 510*(2), 175–187. doi:10.1002/cne.21793

Pinto, M., Lima, D., & Tavares, I. (2007). Neuronal activation at the spinal cord and medullary pain control centers after joint stimulation: a c-fos study in acute and chronic articular inflammation. *Neuroscience, 14*(4), 1076–1089. doi:10.1016/j.neuroscience.2007.05.019

Tavares, I., & Lima, D. (2007). From neuronatomy to gene therapy: Searching for new ways to manipulate the supraspinal endogenous pain modulatory system. *Journal of Anatomy, 211*(2) 261-268. doi:10.1111/j.1469-7580.2007.00759.x

Pinto, M., Lima, D., & Tavares, I. (2006). Correlation of noxious evoked c-fos expression in areas of the somatosensory system during chronic pain: involvement of spino-medullary and intra-medullary connections. *Neuroscience Letters, 409*(2), 100-105. doi:10.1016/j.neulet.2006.08.031

16/04 – "Perceptual memory in the human visual system"
Investigadores/*Researchers*: Patrícia Margarida Piedade Figueiredo, Mafalda Cavalheiro Gomes Moreira Mendes, Maria Fátima Loureiro da Silva, João Abel Loureiro Marques Xavier, Carlos Gomes
Instituição/*Institution*: Instituto Biofísico para a Investigação em Luz e Imagem (IBILI), Coimbra (Portugal)
Duração/*Duration*: 2006/02 – 2010/04

Peer-reviewed publications

Figueiredo, P., Santana, I., Teixeira, J., Cunha, C., Machado, E., Almeida, E., Sales, F., & Castelo-Branco, M. (2008). Adaptive visual memory reorganization in right medial temporal lobe epilepsy. *Epilepsia, 49*(8), 1395-1408. doi:10.1111/j.1528-1167.2008.01629.x

19/04 – "Parapsychological Investigations: Reflections, Adventures, and Cautionary Tales"
Investigador/*Researcher*: Stephen E. Braude
Instituição/*Institution*: University of Maryland Baltimore County, Maryland (USA)
Duração/*Duration*: 2005/02 – 2006/03

Peer-reviewed publications

Braude, S. E. (forthcoming). *Crimes of reason: On mind, nature & the paranormal*. Rowman & Littlefield.

Braude, S. E. (2007). *The gold leaf lady and other parapsychological investigations*. Chicago, IL: University of Chicago Press.

21/04 – "Study of emotional perception and affective memory in a sample of normal subjects. Comparison with different clinical populations"
Investigadores/*Researchers*: Isabel Pavão Martins, Sílvia Fernandes, Alexandre Mendonça, Manuela Guerreiro
Instituição/*Institution*: Laboratório de Estudos da Linguagem, Faculdade de Medicina de Lisboa (Portugal)
Duração/*Duration*: 2005/05 – 2007/06

Peer-reviewed publications

Albuquerque, L., Martins, M., Coelho, M., Guedes, L., Ferreira, J. J., Rosa, M., & Martins, I. P. (2016). Advanced Parkinson disease patients have impairment in prosody processing. *Journal of Clinical and Experimental Neuropsychology, 38*(2), 208-216. doi:10.1080/13803395.2015.1100279

24/04 – "A Parapsychological Investigation of the I Ching: The Relationship Between Psi, Intuition, and Time Perception"
Investigador/*Researcher*: Lance Storm
Instituição/*Institution*: Anomalistic Psychology Research Unit, University of Adelaide (Australia)
Duração/*Duration*: 2005/04 – 2006/03

Peer-reviewed publications

Storm, L. (2006). A parapsychological investigation of the I Ching: The relationships between psi, intuition, and time perspective. *Journal of Parapsychology, 70*, 121-141.

28/04 – "Paranormal Effects Using Sighted and Vision-Impaired Participants in a Quasi-Ganzfeld Task: A Replication Study"
Investigadores/*Researchers*: Lance Storm, Mikele Barrett-Woodbridge
Instituição/*Institution*: Anomalistic Psychology Research Unit, University of Adelaide (Australia)
Duração/*Duration*: 2005/02 – 2005/08

Peer-reviewed publications

Storm, L., & Barrett-Woodbridge, M. (2007). Psi as compensation for modality impairment: A replication study using sighted and blind participants. *European Journal of Parapsychology, 22*, 73-89.

33/04 – "Dynamic brain patterns in neocortical areas during interpersonal transactions"
Investigadores/*Researchers:* Richard Wennberg, Jose Luis Perez Velazquez
Instituição/*Institution:* Krembil Neuroscience Centre, Toronto Western Hospital and The Hospital for Sick Children, University of Toronto (Canada)
Duração/*Duration*: 2005/01 – 2008/07

Peer-reviewed publications

Garcia Dominguez, L., Wennberg, R., Perez Velazquez, J. L., & Guevara Erra, R. (2007). Enhanced measured synchronization of unsynchronized sources: inspecting the physiological significance of synchronization analysis of whole brain electrophysiological recordings. *International Journal of Physical Sciences, 2*(11), 305-317.

Perez Velazquez, J. L., Garcia Dominguez, L., & Guevara Erra, R. (2007). Fluctuations in neuronal synchronization in brain activity correlate with the subjective experience of visual recognition. *Journal of Biological Physics, 33*(1), 49-59. doi:10.1007/s10867-007-9041-4

34/04 – "fMRI and photo emission study of presentiment: The role of "coherence" in retrocausal processes"
Investigadores/*Researchers*: Dick Bierman, Eduard van Wijk
Instituição/*Institution*: Parapsychologist Institute, Utrecht (The Netherlands)
Duração/*Duration*: 2005/05 – 2007/11

Peer-reviewed publications

Bierman, D. J. (2011). Anomalous switching of the bi-stable percept of a necker cube: A preliminary study. *Journal of Scientific Exploration, 25*(3), 771–783.

35/04 – "Pronouns and degeneration: Differences in processes and brain locations involved in pronoun interpretation in prodromal alzheimer's disease and in healthy ageing"
Investigadores/*Researchers*: José Augusto da Veiga Pinto de Gouveia, António Manuel Horta Branco, Horácio António de Jesus Firmino, José Augusto Simões Gonçalves Leitão, Maria Isabel Ferraz Festas
Instituição/*Institution*: Núcleo de Estudos e Intervenção Cognitivo-Comportamental, Coimbra (Portugal)
Duração/*Duration*: 2005/10 – 2010/09

Peer-reviewed publications

Leitão, J., Couceiro, A. P., & Almeida, A. C. (2010). Normas de imaginabilidade, familiaridade e idade de aquisição para 252 nomes comuns. *Laboratório de Psicologia, 8*(1), 101-110.

36/04 – "Identifying the determinants of stress and stress-related illness in newly qualified doctors"
Investigadores/*Researchers*: Stafford L. Lightman, Mark Wetherell, Anna Crown, Kav Vedhara
Instituição/Institution: Henry Wellcome Laboratories for Integrative Neuroscience & Endocrinology, Bristol (UK)
Duração/*Duration*: 2005/02 – 2007/11

Peer-reviewed publications

Brant, H., Wetherell, M. A., Lightman, S., Crown, A., & Vedhara, K. (2010). An exploration into physiological and self-report measures of stress in pre-registration doctors at the beginning and end of a clinical rotation. *Stress, 13*(2), 155-162. doi:10.3109/10253890903093778

42/04 – "Exploring Psychomanteum as a psi-conducive state of consciousness (Phase 2): Adding new perceptual, personality, abnormal thinking, and phenomenological variables of anomalous cognition using two favourable conditions: (1) visual/musical targets and (2) psychomanteum/non-psychomanteum sessions"
Investigadores/*Researchers*: Alejandro Enrique Parra, Jorge Fernando Villanueva
Instituição/*Institution*: Instituto de Psicologia Paranormal, Buenos Aires (Argentina)
Duração/*Duration*: 2005/03 – 2007/01

Peer-reviewed publications

Parra, A. (2015). La inducción al psicomanteum como un estado de consciencia favorecedor de la percepción extrasensorial. E-boletin Psi, 10(2). http://www.alipsi.com.ar/e-boletin/E-BOLETIN-PSI_10_2_Mayo_2015.htm#tit03

Parra, A., & Villanueva, J. (2011). L´Uso dello Psychomanteum nello studio degli alterati di conscienza. *Quaderni di Parapsicologia, 43*(2), 119-128.

Parra, A. & Villanueva, J. (2011). Mirror-gazing facility and psi: examining personality measures. *Journal of the Society for Psychical Research, 75.4*(905), 178-190.

Parra, A. & Villanueva, J. (2006). ESP under the ganzfeld, in contrast with the induction of relaxation as a psi-conducive state. *Australian Journal of Parapsychology, 6*(2), 167-186.

Parra, A. & Villanueva, J. (2004). Are musical themes better than visual images as ESP-targets? An experimental study using the ganzfeld technique. *Australian Journal of Parapsychology, 4*(2), 114-127.

Parra, A. & Villanueva, J. (2004). ¿Son los temas musicales mejores que los visuales como objetivos de PES?: Un estudio experimental bajo el estímulo de monotonización perceptual ganzfeld. *Revista Argentina de Psicología Paranormal, 15*, 195-208.

Parra, A. & Villanueva, J. (2004). ¿Son los temas musicales mejores que los visuales como objetivos de PES?: Un estudio experimental bajo el estímulo de monotonización perceptual ganzfeld. In F.E. da Silva (Ed.), *Segundo Encontro Psi: Refletindo sobre o Futuro da Parapsicología* (165-171). Curitiba, Paraná: Facultades Integradas "Espírita".

Parra, A. & Villanueva, J. (2003). Inducción a un estado no-ordinario de consciencia como facilitador de la PES: Comparando la PES bajo condición ganzfeld versus una condición no-ganzfeld. *Revista Argentina de Psicología Paranormal, 14*, 161-186.

Parra, A. & Villanueva, J. (2003). Personality factors and psi-ganzfeld sessions: A replication and extension. *Australian Journal of Parapsychology, 3*(2), 159-174.

Parra, A. & Villanueva, J. (2003). Personality factors and ESP during ganzfeld session. *Journal of the Society for Psychical Research, 67.1*, 870, 26-36.

Parra, A. & Villanueva, J. (2000). Personality factors and ESP during ganzfeld sessions. In F. Steinkamp (Ed.), *Proceedings of the 44th Annual Convention of the Parapsychological Association* (402-405). Freiburg, West Germany: Parapsychological Association.

47/04 – "A combined psychophysiological and electrophysiological approach to investigate low-level visual perception in autism"
Investigadores/*Researchers*: Olivier Pascalis, Elizabeth Milne, David Buckley, Laurence Vigon
Instituição/*Institution*: Department of Psychology, The University of Sheffield (UK)
Duração/*Duration*: 2005/06 – 2006/10

Peer-reviewed publications

Milne, E., Scope, A., Pascalis, O., Buckley, D., & Makeig, S. (2009). Independent component analysis reveals atypical EEG activity during visual perception in individuals with autism. *Biological Psychiatry, 65*(1), 22-30. doi:10.1016/j.biopsych.2008.07.017

Wallace, S., Coleman, M., Pascalis, O., & Bailey, A. (2006). A study of impaired judgement of eye gaze direction and related face processing deficits in autism and Asperger's syndrome. *Perception, 35*(12), 1651-1654. doi:10.1068/p5442

52/04 – "Selecting a past to remember: psychophysiological studies of forgetting and remembering"
Investigadores/*Researchers:* Edward Wilding, Jane Herron, Kevin Allan
Instituição/*Institution:* Cardiff University, School of Psychology, Wales (UK)
Duração/*Duration:* 2005/02 – 2006/04

Peer-reviewed publications

Bridson, N. C., Fraser, C. S., Herron, J., & Wilding, E. (2006). Electrophysiological correlates of familiarity in recognition memory and exclusion tasks. *Brain Research, 1114*(1), 149-160. doi:10.1016/j.brainres.2006.07.095

55/04 – "Describing the contents of consciousness: A study of the production of reports of mental imagery using parapsychological data, and a methodological review"
Investigador/*Researcher*: Robin Wooffitt
Instituição/*Institution*: Department of Sociology, University of York (UK)
Duração/*Duration*: 2006/10 – 2009/02

Peer-reviewed publications

Wooffitt, R., & Holt, N. (2011). Introspective discourse and the poetics of subjective experience. *Research on Language and Social Interaction, 44*(2), 135–156.

Murray, C., & Wooffitt, R. (2010). Anomalous experience and qualitative research: An introduction to the special issue. *Qualitative Research in Psychology, 7*(1), 1-4. doi:10.1080/14780880903304535

Wooffitt, R., & Holt, N. (2010). Silence and its organisation in the pragmatics of introspection. *Discourse Studies, 12*(3), 379-406. doi:10.1177/1461445609358520

Wooffitt, R., Holt, N., & Allistone, S. (2010). Introspection as institutional practice: Reflections on the attempt to capture conscious experience in a parapsychology experiment. *Qualitative Research in Psychology, 7*(1), 5-20.

Wooffitt, R., & Holt, N. (2008). Reporting on consciousness: Communication in mentation narratives. In *Proceedings of the 51st Annual Convention of the Parapsychological Association* (pp. 288-303). New York: The Parapsychological Association.

57/04 – "Imagery and emotion production during hypnosis: an electrophysiological approach"
Investigadores/*Researchers*: Zvonikov Vyacheslav Michailovich, Stroganova Tatiana Alexandrovna, Tsetlin Marina Mihailovna, Anna Kirenskaya, Vladimir Y. Novotosky-Vlasov, Anastasia V. Marushkina
Instituição/*Institution*: Psychological Institute, Russian Academy of Education, Moscow (Russia)
Duração/*Duration*: 2005/04 – 2007/05

Peer-reviewed publications

Kirenskaya, A., Novototsky-Vlasov, V. Y., Chistyakov, A. N., & Zvonikov, V. M. (2011). The relationship between hypnotizability, internal imagery and efficiency of neurolinguistic programming. *International Journal of Clinical and Experimental Hypnosis, 59*(2), 225-241. doi:10.1080/00207144.2011.546223

Kirenskaya, A., Novototsky-Vlasov, V. Y., & Zvonikov, V. M. (2011). Waking EEG spectral power and coherence differences between high and low hypnotizable subjects. International *Journal of Clinical and Experimental Hypnosis, 59*(4), 441-453. doi:10.1080/00207144.2011.594744

58/04 – "Comparative study of brain processes related to microgravity-induced and clinical oculomotor disturbances in subjects with the right and left eye dominance"
Investigadores/*Researchers*: Inessa B. Kozlovskaya, Elena S. Tomilovskaya, Anna Kirenskaya, Vladimir Y. Novotosky-Vlasov, Vadim V. Myamlin, Nelly R. Gallyamova
Instituição/*Institution*: Institute of Biomedical Problems, Russian Academy of Sciences, Moscow (Russia)
Duração/*Duration*: 2005/04 – 2007/04

Peer-reviewed publications

Kirenskaya, A., Myamlin, V., Novototsky-Vlasov, V. Y., Pletnikov, M., & Kozlovskaya, I. (2011). The contingent negative variation laterality and dynamics in antisaccade task in normal and unmedicated schizophrenic subjects. *Spanish Journal of Psychology, 14*(2), 869-83. doi:10.5209/rev_SJOP.2011.v14.n2.34

Lazarev, I. E., & Kirenskaya, A. V. (2008). The influence of eye dominance on saccade characteristics and slow presaccadic potentials. *Human Physiology, 34*(2), 150-160. doi:10.1134/S0362119708020035

Kirenskaya, A., Tomilovskaya, E., Novototsky-Vlasov, V. Y., & Kozlovskaya, I. (2006). The effects of simulated microgravity on characteristics of slow presaccadic potentials. *Human Physiology, 32*(2), 131-139. doi:10.1134/S0362119706020022

Kirenskaya, A., Tomilovskaya, E., Novototsky-Vlasov, V. Y., & Kozlovskaya, I. (2006). The effects of simulated microgravity on characteristics of slow presaccadic potentials. *Fiziologiia cheloveka, 32*(2), 10-19.

Tomilovskaya, E., Kirenskaya, A., Novototsky-Vlasov, V. Y., & Kozlovskaya, I. (2004). Event-related EEG changes preceding saccadic eye movements before and after dry immersion. *Journal of gravitational physiology: a journal of the International Society for Gravitational Physiology, 11*(2), P33-34.

61/04 – "A neuropsychological examination of specific and global frontal lobe functions in siblings with and without eating disorders"
Investigadores/*Researchers*: Ulrike Schmidt, Kate Tchanturia, Pei-Chi (Thomas) Liao
Instituição/*Institution*: Institute of Psychiatry, King's College London (UK)
Duração/*Duration*: 2005/08 – 2006/11

Peer-reviewed publications

Roberts, M., Lavender, A., & Tchanturia, K. (2010). Measuring self-report obsessionality in anorexia nervosa: Maudsley obsessive-compulsive inventory (MOCI) or obsessive-compulsive inventory-revised (OCI-R)? *European Eating Disorders Review, 19*(6), 501–508. doi:10.1002/erv.1072

Davies, H., Liao, P.-C., Campbell, I. C., & Tchanturia, K. (2009). Multidimensional self reports as a measure of characteristics in people with eating disorders. *Eating and Weight Disorders, 14*(2), e84-e91.

Liao, T., Uher, R., Lawrence, N., Treasure, J., Schmidt, U., Campbell, I., & Tchanturia, K. (2009). An examination of decision-making in bulimia nervosa. *Journal of Clinical and Experimental Neuropsychology, 31*(4), 455-461.

Southgate, L., Tchanturia, K., Collier, D., & Treasure, J. (2008). The development of the childhood retrospective perfectionism questionnaire (CHIRP) in an eating disorder sample. *European Eating Disorders Review, 16*(6), 451-62.

Southgate, L., Tchanturia, K., & Treasure, J. (2008). Information processing bias in anorexia nervosa. *Psychiatry Research, 160*(2), 221-227. doi:10.1016/j.psychres.2007.07.017

Southgate, L., Tchanturia, K., & Treasure, J. (2006). Neuropsychological studies in eating disorders: A review. In P. I. Swain (Ed.), *Progress in Eating Disorders* (pp. 1-69). Hauppauge, NY: Nova Science Publishers.

Whitney, J., Easter, A., & Tchanturia, K. (2008). Service users' feedback on cognitive training in the treatment of anorexia nervosa: A qualitative study. *International Journal of Eating Disorders, 41*(6), 542–550. doi:10.1002/eat.20536

Tchanturia, K., Liao, P.-C., Uher, R., Lawrence, N., Treasure, J., & Campbell, I. C. (2007). An investigation of decision making in anorexia nervosa using the Iowa Gambling Task and skin

conductance measurements. *Journal of the International Neuropsychological Society, 13*(4), 635-641. doi:10.1017/S1355617707070798

Davies, H., & Tchanturia, K. (2005). Cognitive remediation therapy as an intervention for acute anorexia nervosa: A case report. *European Eating Disorders Review, 13*(5), 311-316. doi:10.1002/erv.655

Southgate, L., Tchanturia, K., & Treasure, J. (2005). Building a model of the aetiology of eating disorders by translating experimental neuroscience into clinical practice. *Journal of Mental Health, 14*(6), 553-566. doi:10.1080/09638230500347541

62/04 – "Developing a "Recipe" for success in ESP experimental research (Phase II): Testing and Improving a Protocol"
Investigador/*Researcher*: José M Pérez Navarro
Instituição/*Institution*: Department of Psychology and Counselling, University of Greenwich, London (UK)
Duração/*Duration*: 2005/01 – 2007/06

Peer-reviewed publications

Pérez Navarro, J. M., & Cox, K. (2012). Context-dependence, visibility, and prediction using state and trait individual differences as moderators of ESP in a Ganzfeld environment. *Europe's Journal of Psychology, 8*(4), 559–572, doi:10.5964/ejop.v8i4.507

63/04 – "Attentional modulation in neural responses to faces"
Investigador/*Researcher*: Jaime Iglesias Dorado
Instituição/*Institution*: Universidad Autónoma de Madrid, Facultad de Psicologia (Spain)
Duração/*Duration*: 2005/02 – 2009/07

Peer-reviewed publications

Olivares, E. I., Saavedra, C., Trujillo-Barreto, N. J., & Iglesias, J. (2013). Long-term information and distributed neural activation are relevant for the "internal features advantage" in face processing: electrophysiological and source reconstruction evidence. *Cortex, 49*(10), 2735-2747. doi:10.1016/j.cortex.2013.08.001

Olivares, E. I., & Iglesias, J. (2010). Brain potential correlates of the "internal features advantage" in face recognition. *Biological Psychology, 83*(2), 133-142. doi:10.1016/j.biopsycho.2009.11.011

Saavedra, C., Iglesias, J., & Olivares, E. I. (2010). Event-related potentials elicited by the explicit and implicit processing of familiarity in faces. Clinical EEG and Neuroscience, 41(1), 24-31. doi:10.1177/155005941004100107 (Corrigendum publicado en Clinical EEG and Neuroscience, 2010, 41 (2): IV.)

Olivares, E. I., & Iglesias, J. (2008). Brain potentials and integration of external and internal features into face representations. *International Journal of Psychophysiology, 68*(1), 59-69. doi:10.1016/j.ijpsycho.2008.01.003

Saavedra, C., Iglesias, J., & Olivares, E. I. (2006). Potenciales evocados relacionados con el procesamiento de la identidad facial: Personas mayores con y sin deterioro cognitivo. *Journal of Psychophysiology, 20*(3), 247. doi:10.1027/0269-8803.20.3.223

Santos, I. M., Iglesias, J., Olivares, E. I., & Young, A. W. (2008). Differential effects of object-based attention on evoked potentials to fearful and disgusted faces. *Neuropsychologia, 46*(5), 1468-1479. doi:10.1016/j.neuropsychologia.2007.12.024

64/04 – "Degree of Meditation Attainment and Comparison of Type of Meditation in Relation to Awareness of Precognition Targets"
Investigadores/*Researchers*: Serena M. Roney-Dougal, Jerry Solfvin
Instituição/*Institution*: Psi Research Centre, Glastonbury (UK)
Duração/*Duration*: 2005/01 – 2008/04

Peer-reviewed publications

Roney-Dougal, S. M., & Solfvin, J. (2011). Exploring the relationship between Tibetan meditation attainment and precognition. *Journal of Scientific Exploration, 25*(1), 29-46.

Roney-Dougal, S. M., Solfvin, J., & Fox, J. (2008). An exploration of degree of meditation attainment in relation to psychic awareness with Tibetan Buddhists. *Journal of Scientific Exploration, 22*(2), 161-178.

Roney-Dougal, S. M. (2006). Taboo and belief in Tibetan psychic tradition. *Journal of the Society for Psychical Research, 70*(4), 193-210.

Roney-Dougal, S. M., & Solfvin, J. (2006). Yogic attainment in relation to awareness of precognitive targets. *Journal of Parapsychology, 70*(1), 91-120.

65/04 – "An investigation into the possibility of a stimulus-response causal relationship in the Electronic Voice Phenomenon"
Investigadores/*Researchers*: Alexander MacRae, Charl Vorster
Instituição/*Institution*: Skylab, Portree, Scotland (UK)
Duração/*Duration*: 2005/02 – 2007/03

Peer-reviewed publications

MacRae, A. (2011). Information and Spirit. *The Open Information Science Journal, 3*, 54-62. doi:10.2174/1874947X01103010054

MacRae, A. (2005). Report of an electronic voice phenomenon experiment inside a double-screened room. *Journal of the Society for Psychical Research, 69.4,* 191-201.

MacRae, A. (2004). A means of producing the electronic voice phenomenon based on electro-dermal activity. *Journal of the Society for Psychical Research, 68.1*, 35-50.

66/04 – "Extrasensory perception and implicit sequence learning in a computer guessing task"
Investigadores/*Researchers*: John Palmer, Peter Brugger, Enrique Wintsch
Instituição/*Institution*: Neurology Clinic, University Hospital Zurich (Switzerland)
Duração/*Duration*: 2005/04 – 2006/10

Peer reviewed publication

Palmer, J. (2009). Decision augmentation in a computer guessing task. *Journal of Parapsychology*, *73*, 119-135.

68/04 – "The emotional Stroop effect: Cognitive, emotional, and physiological aspects"
Investigadores/*Researchers*: Isabelle Blanchette, Anne Richards
Instituição/*Institution*: University of Manchester (UK), Birkbeck College, University of London (UK)
Duração/*Duration*: 2005/05 – 2007/07

Peer-reviewed publications

Blanchette, I., & Richards, A. (2013). Is emotional Stroop interference linked to affective responses? Evidence from skin conductance and facial electromyography. *Emotion, 13*(1), 129-138. doi:10.1037/a0029520

Blanchette, I., & Richards, A. (2010). The influence of affect on higher level cognition: A review of research on interpretation, judgement, decision making and reasoning. *Cognition & Emotion, 24*(4), 561-595. doi:10.1080/02699930903132496

Blanchette, I., & Richards, A. (2010). The influence of affect on higher level cognition: A review of research on interpretation, judgement, decision making and reasoning. In J. De Houwer & D. Hermans (Eds.), *Cognition and emotion: Reviews of current research and theories* (pp. 276-324). Hove, UK: Psychology Press.

73/04 – "Spontaneous brain blood flow during guess - research with near infrared spectroscopy"
Investigadores/*Researchers*: Mikio Yamamoto, Hideyuki Kokubo, Hideo Yoichi
Instituição/*Institution*: Institute for Body Measurements, IRI, Schiba-shi (Japan)
Duração/*Duration*: 2005/01 – 2006/07

Peer-reviewed publications

Kokubo, H., & Yamamoto, M. (2006). Brain activity while guessing: Research by functional near-infrared spectroscopy (fNIRS). In F. E. Silva, C. F. Grubhifer, E. Brito, S. Pilato, S. Muniz, & N. M. Ganz (Eds.), *Proceedings of Presented Papers of 3rd Psi Meeting: Implications and Aplications of PSI* (pp. 133-139). Curitiba, Brazil: Faculdades Integradas "Espírita".

Kokubo, H., Yamamoto, M., Watanabe, T., Kawano, K., & Sakamoto, K. (2006). Brain blood flow change with functional near infrared spectroscopy while guessing. *Journal of International Society of Life Information Science, 24*(1), 224-230.

Kokubo, H., Yamamoto, M., & Kawano, K. (2005). Research on brain activities by functional near infrared spectroscopy while guessing for hidden figures. *Japanese Journal of Parapsychology, 10*(1/2), 33-36 [in Japanese].

Kokubo, H., Yamamoto, M., & Watanabe, T. (2005). Impression and spontaneous blood

flow change at the temporal lobe while guessing for a hidden figure. *Journal of International Society of Life Information Science, 23*(2), 306-313.

74/04 – "High performance REG array with simultaneous Read-Out - Exploration of a new REG design, involving self-selective amplification and EEG triggered read-out for PK studies"
Investigadores/*Researchers*: Harald Walach, Tilmann Faul, Matthias Braeunig
Instituição/*Institution*: Institute for Environmental Medicine and Hospital Epidemiology, University Hospital Freiburg (Germany)
Duração/*Duration*: 2005/01 – 2007/07

Peer-reviewed publications

Braeunig, M., Faul, T., & Walach, H. (2005). REG-array with non-deterministic time scheme for PK studies. In *Proceedings of presented papers: The Parapsychological Association 48th Annual Convention* (pp. 224-226).

75/04 – "Measurement of Event-related EEG correlations between two human subjects over a large distance"
Investigadores/*Researchers*: Harald Walach, Christian Seiter, Thilo Hinterberger
Instituição/*Institution*: University College Northampton (UK)
Duração/*Duration*: 2006/01 – 2007/09

Peer-reviewed publications

Hinterberger, T., Mochty, U., Schmidt, S., Erat, L. -M., & Walach, H. (2008). EEG-Korrelationen zwischen räumlich weit entfernten Paaren. *Zeitschrift für Anomalistik, 8*, 55-75.

Hinterberger, T., Studer, P., Jäger, M., Haverty-Stacke, C., & Walach, H. (2007). Can a slide-show presentiment effect be discovered in brain electrical activity? *Journal of the Society for Psychical Research, 71.3*, 148-166.

76/04 – "Remote staring detected by conscious and Psychophysiological variables - Combining and improving two successful paradigms"
Investigadores/*Researchers*: Stefan Schmidt, Susanne Muller, Harald Walach
Instituição/*Institution*: Department for Evaluation of Complementary and Alternative Medicine, Hospital Epidemiology, Freiburg (Germany)
Duração/*Duration*: 2005/01 – 2006/12

Peer-reviewed publications

Müller, S., Schmidt, S., & Walach, H. (2009). The feeling of being stared at: A parapsychological classic with a facelift. *European Journal of Parapsychology, 24*(2), 117-138.

Schmidt, S. (2008). Bohrende Blicke? Stechende Blicke? Das Phänomen der "Blickwahrnehmung" wissenschaftlich untersucht. *Zeitschrift für Anomalistik, 8*, 32-54.

81/04 – "Photon emission of living witness in human healing and cognitive experiences"
Investigadores/*Researchers*: Roeland Van Wijk, G. L. R. Godaert, E. P. A. Van Wijk, R. Bajpai
Instituição/*Institution*: International Institute of Biophysics, Neuss (Germany)
Duração/*Duration*: 2005/01 – 2006/12

Peer-reviewed publications

Van Wijk, R., Bajpai, R., & Van Wijk, E. (2006). Photo count distribution of photons emitted from three sites of a human body. *Journal of Photochemistry and Photobiology B: Biology, 84*(1), 46-55. doi:10.1016/j.jphotobiol.2006.01.010

82/04 – "Detecção de informação emocional e sua interferência no processamento neurocognitivo: um estudo em criminosos reincidentes" – "Detection of emotional information and its interference on neurocognitive processing: a study on recidivistic criminals"
Investigadores/*Researchers*: João Eduardo Marques Teixeira, Manuel Fernando Santos Barbosa, Pedro Manuel Rocha Almeida
Instituição/*Institution*: Centro de Ciências do Comportamento Desviante, Porto (Portugal)
Duração/*Duration*: 2005/01 – 2008/07

Peer-reviewed publications

Barbosa, F., Almeida, P. R., Ferreira-Santos, F., & Marques-Teixeira, J. (2016). Using signal detection theory in the analysis of emotional sensitivity of male recidivist offenders. *Criminal Behaviour and Mental Health, 26*(1), 18-29. doi:10.1002/cbm.1950

Marques-Teixeira, J., Barbosa, F., & Almeida, P. R. (2009). Using Signal Detection Theory Indexes for the Experimental Manipulation of Emotional States. *Methodology, 5*(2), 55-59.

84/04 – "A consciência da dor: alterações induzidas por dor crónica nos mecanismos neurobiológicos de aprendizagem, atenção e recompensa" – "Pain conscience: changes induced by chronic pain on the neurobiological mechanisms of learning, attention and rewarding"

Investigadores/*Researchers*: Vasco Miguel Clara Lopes Galhardo, Deolinda Maria Valente Alves de Lima Teixeira, Miguel Santos Pais-Vieira, Clara Maria Pires Costa Bastos Monteiro
Instituição/*Institution*: IBMC - Instituto de Biologia Molecular e Celular, Porto (Portugal)
Duração/*Duration*: 2005/01 – 2008/11

Peer-reviewed publications

Ji, G., Sun, H., Fu, Y., Li, Z., Galhardo, V., & Neugebauer, V. (2010). Cognitive impairment in pain through amygdala-driven prefrontal cortical deactivation. *Journal of Neuroscience, 30*(15), 5451-5464. doi:10.1523/JNEUROSCI.0225-10.2010

Neugebauer, V., Galhardo, V., Maione, S., Mackey, S. C. (2009). Forebrain pain mechanisms. *Brain Research Reviews, 60*(1), 226-242. doi:10.1016/j.brainresrev.2008.12.014

Pais-Vieira, M., Lima, D., & Galhardo, V. (2009). Sustained attention deficits in rats with chronic inflammatory pain. *Neuroscience Letters, 463*(1), 98-102. doi:10.1016/j.neulet.2009.07.050

Ji, G., Sun, H., Fu, Y., Li, Z., Galhardo, V., & Neugebauer, V. (2010). Cognitive impairment in pain through amygdala-driven prefrontal cortical deactivation. *The Journal of Neuroscience, 30*(15), 5451-5464. doi:10.1523/JNEUROSCI.0225-10.2010

Aguiar, P., Mendonça, L., & Galhardo, V. (2007). OpenControl: A free opensource software for video tracking and automated control of behavioral mazes. *Journal of Neuroscience Methods, 166*(1), 66-72. doi:10.1016/j.jneumeth.2007.06.020

Pais-Vieira, M., Lima, D., & Galhardo, V. (2007). Orbitofrontal cortex lesions disrupt risk assessment in a novel serial decision-making task for rats. *Neuroscience, 145*(1), 225-231. doi:10.1016/j.neuroscience.2006.11.058

Bi, G.-Q., Bolshakov, V., Bu, G., Cahill, C., Chen, Z.-F., Collingridge, G., … Zhuo, M. (2006). Recent advances in basic neurosciences and brain disease: from synapses to behavior. *Molecular Pain, 2*(1), 38-51. doi:10.1186/1744-8069-2-38

Monteiro, C., Lima, D., & Galhardo, V. (2006). Switching-on and -off of bistable spontaneous discharges in rat spinal deep dorsal horn neurons. *Neuroscience Letters, 398*(3), 258-63. doi:10.1016/j.neulet.2006.01.008

87/04 – "Early neurophysiological correlates of autism: visual attention and EEG rhythms"

Investigadores/*Researchers*: Stroganova Tatiana Alexandrovna, Elam Mikael, Orekhova Elena, Tsetlin Mariana Mihailovna, Morozov Alexei Alexandrovich
Instituição/*Institution*: Moscow University for Psychology and Education, Faculty of Abnormal Psychology, Moscow (Russia)
Duração/*Duration*: 2005/01 – 2007/04

Peer-reviewed publications

Orekhova, E. V., Stroganova, T. A., Nygren, G., Tsetlin, M. M., Posikera, I. N., Gillberg, C., & Elam, M. (2007). Excess of high frequency electroencephalogram oscillations in boys with autism. *Biological Psychiatry, 62*(9), 1022–1029. doi:10.1016/j.biopsych.2006.12.029

Stroganova, T. A., Nygren, G., Tsetlin, M. M., Posikera, I. N., Gillberg, C., Elam, M., & Orekhova, E. V. (2007). Abnormal EEG lateralization in boys with autism. *Clinical Neurophysiology, 118*(8), 1842-1854. doi:10.1016/j.clinph.2007.05.005

Stroganova, T. A., Orekhova, E. V., Prokofyev, A. O., Posikera, I. N., Morozov, A. A., Obukhov, Y. V., & Morozov, V. A. (2007). Inverted event-related potentials response to illusory contour in boys with autism. *Neuroreport, 18* (9), 931-935. doi:10.1097/WNR.0b013e32811e151b

Orekhova, E. V., Stroganova, T. A., Posikera, I. N., & Elam, M. (2006). EEG theta rhythm in infants and preschool children. *Clinical Neurophysiology, 117*(5), 1047-1062. doi:10.1016/j.clinph.2005.12.027

104/04 – "Is psi a type of knowledge?"
Investigadores/*Researchers*: Dean Radin, Edwin May
Instituição/*Institution*: Institute of Noetic Sciences, California (USA)
Duração/*Duration*: 2005/01 – 2006/11

Peer-reviewed publications

Radin, D. I. (2008). Testing nonlocal observation as a source of intuitive knowledge. *Explore: The Journal of Science and Healing,* 4(1), 25-35.

Radin, D. I. (2006). Experiments testing models of mind-matter interaction. *Journal of Scientific Exploration, 20*(3), 375-401.

Radin, D., Hayssen, G., Emoto, M., & Kizu, T. (2006). Double-blind test of the effects of distant intention on water crystal formation. *Explore: The Journal of Science and Healing, 2*(5), 408-411. doi:10.1016/j.explore.2006.06.004

Radin, D., Nelson, R. D., Dobyns, Y., & Houtkooper, J. (2006). Assessing the evidence for mind-matter interaction effects. *Journal of Scientific Exploration, 20*(3), 361-374.

Schlitz, M., Wiseman, R., Watt, C., & Radin, D. (2006). Of two minds: Skeptic-proponent collaboration within parapsychology. *British Journal of Psychology, 97*(3), 313-322. doi:10.1348/000712605X80704

108/04 – "A pilot study into the incidence of deathbed phenomena in nursing homes and hospices in Hampshire England, and in Rotterdam Holland"
Investigadores/*Researchers*: Peter Fenwick, Sue Brayne, Shirley Firth, Bart van de Lugt, Julian Candy, Frans Reynders, Frans Baar
Instituição/*Institution*: University Department of Mental Health, Royal Southampton Hospital, Hamphsire (UK)
Duração/*Duration*: 2008/11 – 2016/01

Peer-reviewed publications

Santos, F. S., & Fenwick, P. (2012). Death, end of life experiences, and their theoretical and clinical implications for the mind-brain realtionship. In A. Moreira-Almeida & F. S. Santos (Eds.), *Exploring frontiers of the mind-brain relationship* (pp. 165-189). New York, NY: Springer Science. doi:10.1007/978-1-4614-0647-1_9

Fenwick, P., & Brayne, S. (2011). End-of-life experiences: Reaching out for compassion, communication, and connection-meaning of deathbed visions and coincidences. *American Journal of Hospice and Palliative Medicine, 28*(1), 7-15. doi:10.1177/1049909110374301

Fenwick, P., Lovelace, H., & Brayne, S. (2010). Non local effects in the process of Dying: Can quantum mechanics help? *Neuroquantology, 8*(2), 142-154.

Fenwick, P., Lovelace, H., & Brayne, S. (2010). Comfort for the dying: Five year retrospective and one year prospective studies of end of life experiences. *Archives of Gerontology and Geriatrics, 51*(2), 173-179. doi:10.1016/j.archger.2009.10.004

Brayne, S., Lovelace, H., & Fenwick, P. (2008). Life experiences and the dying process in a Gloucestershire nursing home as reported by nurses and care assistants. *American Journal of Hospice and Palliative Medicine, 25*(3), 195-206. doi:10.1177/1049909108315302

Brayne, S., & Fenwick, P. (2008). *End-of-life experiences: A guide for carers of the dying*. In Association with The Clinical Neuroscience Division, University of Southampton. www.horizonresearch.org Home/for patients and caregivers

Brayne, S., & Fenwick, P. (2008). *Nearing the end of life: A guide for relatives and friends of the dying*. In Association with The Clinical Neuroscience Division, University of Southampton. www.horizonresearch.org Home/for patients and caregivers pub.

Brayne, S., & Fenwick, P. (2008). The case for training to deal with end-of-life experiences. *European Journal of Palliative Care, 15*(3), 118-120.

Brayne, S., Lovelace, H., & Fenwick, P. (2008). End-of-life experiences and the dying process in a Gloucestershire nursing home as reported by nurses and care assistants. *American Journal of Hospice and Palliative Medicine, 25*(3), 195-206. doi:10.1177/1049909108315302

Fenwick, P., & Fenwick, E. (2008). *The art of dying*. Bloomsbury Continuum. ISBN: 978-0-8264-9923-3.

Fenwick, P., Lovelace, H., & Brayne, S. (2007). End of life experiences and their implications for palliative care. *International Journal of Environmental Studies, 64*(3), 315-323. doi:10.1080/00207230701394458

Brayne, S., Farnham, C., & Fenwick, P. (2006). Deathbed phenomena and their effect on a palliative care team: A pilot study. *American Journal of Hospice and Palliative Medicine, 23*(1), 17-24. doi:10.1177/104990910602300104

112/04 – "Improvement of transcranial magnetic stimulation (TMS) coils for psychiatric applications"
Investigadores/*Researchers*: Pedro Cavaleiro Miranda, Yiftach Roth, Ludovic Correia, Ricardo Salvador, Abraham Zangen
Instituição/*Institution*: Instituto de Biofísica e Engenharia Biomédica, Faculdade de Ciências da Universidade de Lisboa (Portugal)
Duração/*Duration*: 2005/01 – 2007/11

Peer-reviewed publications

Salvador, R., Miranda, P. C., Roth, Y., & Zangen, A. (2009). High permeability cores to optimize the stimulation of deeply located brain regions using transcranial magnetic stimulation. *Physics in Medicine and Biology, 54*(10), 3113-3128. doi:10.1088/0031-9155/54/10/010

Levkovitz, Y., Roth, Y., Harel, E. V., Braw, Y., Sheer, A., & Zangen, A. (2007). A randomized controlled feasibility and safety study of deep transcranial magnetic stimulation. *Clinical Neurophysiology, 118*(12), 2730-2744. doi:10.1016/j.clinph.2007.09.061

Roth, Y., Amir, A., Levkovitz, Y., & Zangen, A. (2007). Three-dimensional distribution of the electric field induced in the brain by transcranial magnetic stimulation using figure-8 and deep H-coils. *Journal of Clinical Neurophysiology, 24*(1), 31-38. doi:10.1097/WNP.0b013e31802fa393

115/04 – "Psychophysiological Analysis of Learning and Memory using Zebrafish as an in vivo Model System"
Investigadores/*Researchers*: Florian Engert, André Valente, Bettina Reiter, Johann Bollmann, Adam Kampff, Michael Orger
Instituição/*Institution*: Harvard Biological Laboratories, Cambridge (USA)
Duração/*Duration*: 2006/01 – 2012/09

Peer-reviewed publications

Valente, A., Huang, K.-H., Portugues, R., & Engert, F. (2012). Ontogeny of classical and operant learning behaviors in zebrafish. *Learning & Memory, 19*(4),170-177. doi:10.1101/lm.025668.112

116/04 – "Comparing conscious and physiological measurements in a cogntive DMILS study in Bali"
Investigadores/*Researchers*: Hoyt Edge, Luh Ketut Suryani, Niko Tiliopoulos, Annemieka Bikker
Instituição/*Institution*: College of Arts and Sciences, Rollins College, Florida (USA)
Duração/*Duration*: 2005/03 – 2006/12

Peer-reviewed publications

Edge, H. (2012). Gibt es vorbegriffliche Beobachtungen? Zeitschrift fur Anomalistik, 12(2-3), 179-184.

Schmidt, S. (2012). Can we help just by good intentions? A meta-analysis of experiments on distant intention effects. *Journal of Alternative and Complementary Medicine, 18*(6), 529-533. doi:10.1089/acm.2011.0321

Schmidt, S. (2012). Die Fliege des Aristoteles. Bemerkungen zur Anomalistik und eine Forschungsübersicht zum Zusammenhang zwischen Meditation und Psi. *Zeitschrift fuer Anomalistik, 12*(2-3), 158-178.

119/04 – "Event-related potentials of temperament traits in ADHD and conduct disorder"
Investigadores/*Researchers*: Katya Rubia, Alex Sumich, Asherson, Eric Taylor
Instituição/*Institution*: Dept. Child Adolescent Psychiatry, Institute of Psychiatry, London (UK)
Duração/*Duration*: 2005/06 – 2007/11

Peer-reviewed publications

Sumich, A., Sarkar, S., Dadds, M., Kelesidi, K., Taylor, E., & Rubia, K. (2012). Electrophysiological correlates of CU traits show abnormal regressive maturation in adolescents with conduct problems. *Personality and Individual Differences, 53*(7), 862–867.

Sumich, A., Sarkar, S., Hermens, D., Ibrahimovic, A., Taylor, A., & Rubia, K. (2012). Sex differences in brain maturation as measured using event-related potentials. *Developmental Neuropsychology, 37*(5), 415-433. doi:10.1080/87565641.2011.653461.

134/04 – "Investigating the multidimensional nature of body image, sensorial representation, and phenomenology in relation to different forms of out-of-body experience"
Investigadores/*Researchers*: Craig Murray, Jezz Fox
Instituição/*Institution*: Manchester University (UK)
Duração/*Duration*: 2005/06 – 2006/07

Peer-reviewed publications

Murray, C., & Fox, J. (2006). Differences in body image between people reporting near-death and spontaneous out-of-body-experiences. *Journal of the Society for Psychical Research, 70.2,* 98-109.

Murray, C., Fox, J., & Wilde, D. (2006). The relationship between belief in the paranormal and performance on a visual imagery task: Do out-of-body experients have better visual imagery skills than non-experients? *Journal of the Society for Psychical Research, 70.3*, 170-176.

Murray, C. D., Wilde, D., & Fox, J. (2006) Self-concept and body investment in out-of-body experients. *European Journal of Parapsychology, 21*(1), 27-37.

Wilde, D., Murray, C. D., & Fox, J. (2006). Do out-of-body experients have better visual imagery skills than non-experients? In *Proceedings of Presented Papers: The Parapsychological Association 48th Annual Convention* (pp. 349-354).

Murray, C. D., Fox, J., & Wilde, D. (2005). Self-concept and body investment in out-of-body experients. In *Proceedings of Presented Papers: The Parapsychological Association 48th Annual Convention* (pp. 231-235).

Wilde, D., Murray, C., & Fox, J. (2006). Do out-of-body experients have better visual imagery skills than non-experients? In *Proceedings of Presented Papers: The Parapsychological Association 48th Annual Convention* (pp. 349-354).

135/04 – "Telepresence and telepathy in immersive virtual reality"
Investigadores/*Researchers*: Craig Murray, Christine Simmonds, Jezz Fox
Instituição/*Institution*: Manchester University (UK)
Duração/*Duration*: 2005/11 – 2006/11

Peer-reviewed publications

Murray, C. D., Howard, T., Wilde, D., Fox, J., & Simmonds-Moore, C. (2007). Testing for telepathy using an immersive virtual environment. *Journal of Parapsychology, 71*, 105-124.

Murray, C.D., Howard, T., Fox, J., Caillette, F., Simmonds-Moore, C. and Wilde, D. (2006) The design and implementation of the telepathic immersive virtual reality system. In C. Simmonds-Moore, editor, *Proceedings of The Parapsychological Association 49th Annual Convention*, pages 100-114, Stockholm, August 2006.

Murray, C., Howard, T., Fox, J., Caillette, F., Simmonds-Moore, C., & Wilde, D. (2006). The design and implementation of the telepathic immersive reality system. *The International Journal of Parapsychology, 13*, 1-25.

Murray, C. D., Simmonds, C., & Fox, J. (2005). Telepathy and telepresence in immersive virtual reality. In *Proceedings of Presented Papers: The Parapsychological Association 48th Annual Convention* (pp. 236-241).

150/04 – "Electrocortical activity during deep hypnosis experiences"
Investigadores/*Researchers*: Etzel Cardeña, Dietrich Lehmann, Mark Winkel
Instituição/*Institution*: Department of Psychology, University of Lund (Sweden)
Duração/*Duration*: 2005/11 – 2007/02

Peer-reviewed publications

Cardeña, E., & Terhune, D. B. (2014). Hypnotizability, personality traits, and the propensity to experience alterations of consciousness. *Psychology of Consciousness: Theory, Research, and Practice, 1*(3), 292-307. doi:10.1037/cns0000026

Cardeña, E., Jönsson, P., Terhune, D. B., & Marcusson-Clavertz, D. (2013). The neurophenomenology of neutral hypnosis. *Cortex, 49*(2), 375-85. doi:10.1016/j.cortex.2012.04.001.

Cardeña, E., Lehmann, D., Faber, P., Jönsson, P., Milz, P., Pascual-Marqui, R., & Kochi, K. (2012). EEG sLORETA functional imaging during hypnotic arm levitation and voluntary arm lifting. *International Journal of Clinical and Experimental Hypnosis, 60*(1), 31-53. doi:10.1080/00207144.2011.622184

Cardeña, E., & Terhune, D. B. (2009). A note of caution on the Waterloo Stanford Group Scale of Hypnotic Susceptibility: A brief communication. International *Journal of Clinical and Experimental Hypnosis, 57*(2), 222-226. doi:10.1080/00207140802665484

Cardeña, E., Terhune, D. B., Lööf, A., & Buratti, S. (2008). Hypnotic experience is related to emotional contagion. *International Journal of Clinical and Experimental Hypnosis, 57*(1), 33-46. doi:10.1080/00207140802463500

Cardeña, E., Kallio, S., Terhune, D., Buratti, S., & Lööf, A. (2007). The effect of translation and sex on hypnotizability testing. *Contemporary Hypnosis, 24*, 154-160 (see also erratum).

Cardeña, E., Lehmann, D., Jönsson, P, Terhune, D., & Faber, P. (2007). The neurophenomenology of hypnosis. In *Proceedings of the 50th Annual Convention of the Parapsychological Association* (pp. 17-30).

152/04 – "Relating psi to a theory of intuition: using precognition habituation to improve ganzfeld scores"
Investigadores/*Researchers*: Adrian Parker, Torbjorn Fagerberg
Instituição/*Institution*: Psychology Department, Gothenburg University (Sweden)
Duração/*Duration*: 2006/09 – 2008/05

Peer-reviewed publications

Parker, A. (2010). A ganzfeld study using identical twins. *Journal of the Society for Psychical Research, 74.2*, 118-126.

Parker, A., & Sjödén, B. (2010). Do some of us habituate to future emotional events? *Journal of Parapsychology, 74*(1), 99-115.

Parker, A., & Sjödén, B. (2010). The effect of priming of film clips prior to ganzfeld mentation. *European Journal of Parapsychology, 25*, 76-88.

Parker, A., & Sjödén, B. (2008). The subliminal priming of film clips used in the ganzfeld. In *Proceedings of the 51 st Annual Convention of The Parapsychological Association, Winchester* (pp. 356-359).

153/04 – "The neural basis of attention disorder in schizophrenia"
Investigadores/*Researchers*: Trevor J. Crawford, Bill Deakin, Stephen Higham
Instituição/*Institution*: Mental Health Research Unit (Lancaster) & Neuroscience and Psychiatry Unit (Manchester) (UK)
Duração/*Duration*: 2005/02 – 2007/02

Peer-reviewed publications

Crawford, T. J., Higham, S., Mayes, J., Dale, M., Shaunak, S., & Lekwuwa, G. (2013). The role of working memory and attentional disengagement on inhibitory control: effects of aging and Alzheimer's disease. *Age (Dordrecht, Netherlands), 35*(5), 1637–1650. doi:10.1007/s11357-012-9466-y

Crawford, T. J., Kean, M., Klein, R. M., & Hamm, J. P. (2006). The effects of illusory line motion on incongruent saccades: Implications for saccadic eye movements and visual attention. *Experimental Brain Research, 173*(3), 498-506. doi:10.1007/s00221-006-0392-z

Crawford, T. J., Hill, S., & Higham, S. (2005). The inhibitory effect of a recent distracter. *Vision Research, 45*(27), 3365-3378. doi:10.1016/j.visres.2005.07.024

155/04 – "Creativity, schizotypy, paranormal experiences and mental health: Developing a new cognitive-parapsychological paradigm for the assessment of psi performance in the laboratory"
Investigadores/Researchers: Christine Simmonds-Moore, Nicola Holt
Instituição/Institution: University College Northampton (UK)
Duração/Duration: 2006/06 – 2009/07

Peer-reviewed publications

Holt, N., Simmonds-Moore, C., & Moore, S. (2020). Does latent inhibition underpin creativity, positive schizotypy and anomalous cognition? *Journal of Parapsychology, 84*(2), 156-178. doi:10.30891/jopar.2020.02.02.

163/04 – "Effects of different Biofeedback training procedures on quantitative Electroencephalographic parameters of healthy subjects"
Investigadores/*Researchers*: Martijn Arns, Wytze van der Zwaag, Erica Heesen, Rien Breteler
Instituição/*Institution*: Brain Resource Company B.V., Nijmegen (The Netherlands)
Duração/*Duration*: 2005/01 – 2006/04

Peer-reviewed publications

van Dijk, H., van Wingen, G., Denys, D., Olbrich, S., van Ruth, T., & Arns, M. (2022). The two decades brainclinics research archive for insights in neurophysiology (TDBRAIN) database. *Scientific Data, 9*(1), 333. doi:10.1038/s41597-022-01409-z

Spronk, D., Kleinnijenhuis, M., Luijtelaar, G., & Arns, M. (2010). Discrete-Trial SCP and GSR training and the interrelationship between central and peripheral arousal. *Journal of Neurotherapy, 14*(3), 217-228. doi:10.1080/10874208.2010.501501

Kleinnijenhuis, M., Arns, M., Spronk, D., & Breteler, R. (2007). Comparison of discrete-trial based SMR and SCP training and the interrelationship between SCP and SMR networks: Implications for brain-computer interfaces and neurofeedback. *Journal of Neurotherapy, 11*(4), 19-35. doi:10.1080/10874200802162808

168/04 – "Electrocortical studies of the hippocampal-parahippocampal (HP) structures in humans: Foramen ovale (FO) electrodes, as a research tool in human cognition and epilepsy"
Investigadores/*Researchers*: Péter Halász, Zsófia Clemens, Csaba Borbély, Dániel Fabó
Instituição/*Institution*: National Institute of Psychiatry and Neurology, Department of Neurology, Epilepsy Center, Budapest (Hungary)
Duração/*Duration*: 2005/02 – 2007/07

Peer-reviewed publications

Clemens, Z., Mölle, M., Eross, L., Barsi, P., Halász, P., & Born, J. (2007). Temporal coupling of parahippocampal ripples, sleep spindles and slow oscillations in humans. *Brain, 130*, 2868-2878. doi:10.1093/brain/awm146

Clemens, Z., Fabó, D., & Halász, P. (2006). Twenty-four hours retention of visuospatial memory correlates with the number of parietal sleep spindles. *Neuroscience Letters, 403*(1-2), 52-56. doi:10.1016/j.neulet.2006.04.035

Publicações revistas por pares – Apoios à Investigação Científica 2006/07
Peer-reviewed publications – Grants for Scientific Research 2006/07

01/06 – "Automated testing for telepathy using emails and telephone calls"
Investigadores/*Researchers*: Rupert Sheldrake, Pamela Smart, David Luke
Instituição/*Institution*: Perrot-Warrick Project, London (UK)
Duração/*Duration*: 2007/10 – 2010/06

Peer-reviewed publications

Sheldrake, R., & Beeharee, A. (2016). Is joint attention detectable at a distance? Three automated, internet-based tests. *Explore: The Journal of Science and Healing*, *12*(1), 34-41. doi:10.1016/j.explore.2015.10.006

Sheldrake, R. (2014). Telepathy in connection with telephone calls, text messages and emails. *Journal of International Society of Life Information Science (ISLIS), 32*(1), 7-10.

Sheldrake, R., & Avraamides, L. (2009). An automated test for telepathy in connection with emails. *Journal of Scientific Exploration, 23*(1), 29-36.

Sheldrake, R., Avraamides, L., & Novak, M. (2009). Sensing the sending of SMS messages: An automated test. *Explore: The Journal of Science and Healing, 5*(5), 272-276. doi:10.1016/j.explore.2009.06.004

Sheldrake, R., & Beeharee, A. (2009). A rapid online telepathy test. *Psychological Reports, 104*(3), 957-970. doi:10.2466/pr0.104.3.957-970

07/06 – "Further investigations of the I Ching: Reliability and replication studies"
Investigador/*Researcher*: Lance Storm
Instituição/*Institution*: Anomalous Psychology Research Unit, Dep. of Psychology, University of Adelaide (Australia)
Duração/*Duration*: 2007/03 – 2008/05

Peer-reviewed publications

Storm, L. (2009). Investigations of the I Ching: II. Reliability and validity studies. *Australian Journal of Parapsychology, 9*(1), 111-142.

Storm, L. (2008). Investigations of the I Ching: I. Relationships between psi, time perspective, paranormal belief and meaningfulness. *Australian Journal of Parapsychology, 8*(2), 103-127.

12/06 – "The impact of mindfulness meditation on visuomotor performance and awareness of action: an EEG study of short- and long-term meditators"
Investigadores/*Researchers*: Stefan Schmidt, Jose Raul Naranjo
Instituição/*Institution*: Institute of Environmental Medicine and Hospital Epidemiology, University Hospital Freiburg (Germany)
Duração/*Duration*: 2007/05 – 2009/11

Peer-reviewed publications

Naranjo, J. R., & Schmidt, S. (2012). Is it me or not me? Modulation of perceptual-motor awareness and visuomotor performance by mindfulness meditation. *BMC Neuroscience, 13*: 88. doi:10.1186/1471-2202-13-88

13/06 – "Vinculação em bebés institucionalizados e competência narrativa dos seus principais cuidadores: estudo sobre a actividade cardíaca do bebé na interacção com a figura de cuidados através do BioBeAMS 2.0"

Investigadores/*Researchers*: Isabel Maria Costa Soares, João Paulo Silva Cunha, Margarida Isabel Rangel Santos Henriques, Carla Cristina Esteves Martins, Pedro Miguel Brito da Silva Dias

Instituição/*Institution*: Centro de Investigação em Psicologia (CIPSi), Universidade do Minho, Braga (Portugal)

Duração/*Duration*: 2007/04 – 2010/05

Peer-reviewed publications

Baptista, J., Belsky, J., Marques, S., Silva, J. R., Martins, C., & Soares, I. (2019). Early family adversity, stability and consistency of institutional care and infant cognitive, language and motor development across the first six months of institutionalization. *Infant Behavior and Development, 57*, 101387. doi:10.1016/j.infbeh.2019.101387

Baptista, J., Silva, J. R., Marques, S., Martins, C., & Soares, I. (2018). Early maltreatment and current quality of relational care predict socioemotional problems among institutionalized infants and toddlers. *Infant Mental Health Journal, 39*(6), 718-729. doi:10.1002/imhj.21741

Baptista, J., Belsky, J., Mesquita, A., & Soares, I. (2017). Serotonin transporter polymorphism moderates the effects of caregiver intrusiveness on ADHD symptoms among institutionalized preschoolers. *European Child & Adolescent Psychiatry, 26*, 303-313. doi:10.1007/s00787-016-0890-x

Baptista, J., Belsky, J., Marques, S., Silva, J., Oliveira, P., Mesquita, A., Martins, C., & Soares, I. (2014). The interactive effect of maltreatment in the family and unstable institutional caregiving in predicting behavior problems in toddlers. *Child Abuse and Neglect, 38*(12), 2072-2079. doi:10.1016/j.chiabu.2014.10.015

Baptista, J., Soares, I., & Henriques, M. R. (2013). O impacto da adoção no desenvolvimento da criança. *Psicologia, 27*(2), 63-79.

Soares, I., Belsky, J., Oliveira, P., Silva, J., Marques, J., Baptista, J, & Martins, C. (2014). Does early family risk and current quality of care predict indiscriminate behavior in institutionalized Portuguese children? *Attachment and Human Development*. doi:10.1080/14616734.2013.869237

Baptista J., Belsky, J., Martins, C., Silva, J., Marques, S., Mesquita, A. R., & Soares, I. (2013). Social withdrawal in institutionalized toddlers: Individual, early family and institutional determinants. *Infant Mental Health Journal, 34*(6), 562-573. doi:10.1002/imhj.21416

Baptista, J., Soares, I., & Henriques, M. R. (2013). Recuperação desenvolvimental após a adopção: Características da criança e da família adoptiva. *Psicologia: Reflexão e crítica, 26*(2), 396-404.

Martins, C., Belsky, J., Marques, S., Baptista, J., Silva, J., Mesquita, A., Castro, F., Sousa, N., & Soares, I. (2013). Diverse physical growth trajectories in institutionalized Portuguese children below age 3: Relation to child, family, and institutional factors. *Journal of Pediatric Psychology, 38*(4), 438-448. doi:10.1093/jpepsy/jss129

Soares, I., Belsky, J., Mesquita, A. R., Osório, A, & Sampaio, A. (2013). Why do only some institutionalized children become indiscriminatly friendly? Insights from the Study of Williams Syndrome. *Child Development Perspectives, 7*(3), 187-192. doi:10.1111/cdep.12036

Oliveira, P., Soares, I., Martins, C., Silva, J., Marques, S., Baptista, J., & Lyons-Ruth, K. (2012). Indiscriminate behavior observed in the strange situation among institutionalized toddlers: Relations to caregiver report and to early family risk. *Infant Mental Health Journal, 33*(2), 187–196. doi:10.1002/imhj.20336

Pereira, M., Soares, I., & Dias, P. (2010). Desenvolvimento, psicopatologia e vinculação: Estudo exploratório com crianças em Centros de Acolhimento Temporário e suas cuidadoras. *Psicologia: Reflexão e Crítica, 23*(2), 222-231.

23/06 – "Massagem ao bebé prematuro em cuidados intensivos neonatais: Efeito no funcionamento psicofisiológico dos bebés e pais"
Investigadores/*Researchers*: Bárbara Fernandes de Carvalho Figueiredo, Clara Sofia Domingues Paz Dias, Maria Alice Peixoto Freitas, Maria Agostinha Costa Andrade, Maria José Faria Novais Rebelo, Susana Nunes da Silva, Maria de Lurdes Alves Senra, Maria José Carvalho Ferreira, César Bessa Pinheiro Teixeira, Mariana Pinto Basto Teixeira, Diana Patrícia Pires Pinto, Mariana Bianchi de Aguiar, Ana Guedes, Pombeiro
Instituição/*Institution*: Cipsi, Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2007/07 – 2010/11

Peer-reviewed publications

Bianchi Aguiar, M., & Figueiredo, B. (2010). Prematuridade e baixo peso à nascença: Da investigação à intervenção. *Nursing*, *253*, 7-17.

Figueiredo, B. (2007). Massagem ao bebé. *Acta Pediátrica Portuguesa, 38*(1), 29-38.

32/06 – "A review and analysis of conceptual frameworks in accounts of animal psi"
Investigadores/*Researchers*: Diane Dutton, Carl Williams
Instituição/*Institution*: Liverpool Hope University, Liverpool (UK)
Duração/*Duration*: 2007/09 – 2009/10

Peer-reviewed publications

Williams, C., & Dutton, D. (2010). What the animals have to say: Conceptual frameworks, commonalities and tensions in professional animal psi research and lay-animal psychic communication. *Journal of the Society for Psychical Research, 74.2*(899), 94-117.

Dutton, D., & Williams, C. (2009). Cleverbeasts and faithful pets: A critical review of animal psi research. *Journal of Parapsychology, 73*(1), 43-68.

35/06 – "Developmental and genetic correlates of brain function in children at high- and low-risk for developing schizophrenia"
Investigadores/*Researchers*: Kristin Robyn Laurens, Sheilagh Hodgins, Robin M. Murray, Eric A. Taylor, David Collier, Sir Michael Rutter
Instituição/*Institution*: Department of Forensic Mental Health Science, Institute of Psychiatry, King's College London (UK)
Duração/*Duration*: 2008/01 – 2011/07

Peer-reviewed publications

Gutteridge, T. P., Kelly, A. B., & Laurens, K. R. (2023). Increased likelihood of distressing and functionally impairing psychotic-like experiences among children with co-occurring internalising and externalising problems. *Schizophrenia Research, 252*, 225-230. doi:10.1016/j.schres.2023.01.017

Carpendale, E. J., Cullen, A. E., Dickson, H., & Laurens, K. R. (2022) Dissociable impairments of verbal learning differentiate childhood risk profiles for schizophrenia. *Schizophrenia Research: Cognition, 28*, 100239. doi:10.1016/j.scog.2022.100239

Cullen, A., Fisher, H., Gullett, N., Fraser, E., Roberts, R. E., Zahid, U., To, M., Yap, N., Zunszain, P., Pariante, C., Wood, S., McGuire, P., Murray, R., Mondelli, V., & Laurens, K. R. (2022). Cortisol levels in childhood associated with emergence of attenuated psychotic symptoms in early adulthood. *Biological psychiatry*, 91(2), 226-235. doi:10.1016/j.biopsych.2021.08.009

Ahmedt-Aristizabal, D., Fernando, T., Denman, S., Robinson, J. E., Sridharan, S., Johnston, P. J., Laurens, K. R., & Fookes, C. (2021). Identification of children at risk of schizophrenia via deep learning and EEG responses. *IEEE Journal of Biomedical and Health Informatics, 25*(1), 69-76. doi:10.1109/JBHI.2020.2984238

Fernando, T., Denman, S., Ahmedt-Aristizabal, D., Sridharan, S., Laurens, K. R., Johnston, P., & Fookes, C. (2020). Neural memory plasticity for medical anomaly detection. *Neural Networks, 127*, 67-81. doi:10.1016/j.neunet.2020.04.011

Hobbs, M., & Laurens, K. (2020). Psychometric comparability of self-report by children aged 9–10 versus 11 years on the Strengths and Difficulties Questionnaire (SDQ). *Child Indicators Research, 3*, 301–318. doi:10.1007/s12187-019-09633-7

Gutteridge, T. P., Lang, C. P., Turner, A. M., Jacobs, B. W., & Laurens, K. R. (2020). Criterion validity of the Psychotic-Like Experiences Questionnaire for Children (PLEQ-C). *Schizophrenia Research*. doi:10.1016/j.schres.2020.03.067

Laurens K. R., Murphy J. R., Dickson H., Roberts R. E., & Gutteridge T. P. (2020). Trajectories of mismatch negativity and P3a amplitude development from age 9 to 16 years in

childrenwith risk factors for schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. doi:10.1016/j.bpsc.2020.07.01

Cullen, A., Day, F., Roberts, R., Pariante, C., & Laurens, K. (2015). Pituitary gland volume and psychosocial stress among children at elevated risk for schizophrenia. *Psychological Medicine, 45*(15), 3281-3292. doi:10.1017/S0033291715001282

Cullen, A. E., Fisher, H., Roberts, R. E., Pariante, C. M., & Laurens, K. R. (2014). Daily stressors and negative life events in children at risk for developing schizophrenia. *British Journal of Psychiatry*, *204*, 354-360. doi:10.1192/bjp.bp.113.127001

Cullen, A. E., Zunszain, P. A., Dickson, H., Roberts, R. E., Fisher, H. L., Pariante, C. M., & Laurens, K. R. (2014). Cortisol awakening response and diurnal cortisol among children at elevated risk for schizophrenia: relationship to psychosocial stress and cognition. *Psychoneuroendocrinology, 46*(100):1-13. doi:10.1016/j.psyneuen.2014.03.010

Dickson, H., Cullen, A. E., Reichenberg, A., Hodgins, S., Campbell, D. D., Morris, R. G., & Laurens, K. R. (2014). Cognitive impairment among children at-risk for schizophrenia. *Journal of Psychiatric Research, 50*, 92-99. doi:10.1016/j.jpsychires.2013.12.003

Dickson, H., Calkins, M. E., Kohler, C., Hodgins, S., & Laurens, K. R. (2014). Misperceptions of facial emotions among youth aged 9-14 years who present multiple antecedents of schizophrenia. *Schizophrenia Bulletin, 40*(2), 460-468. doi:10.1093/schbul/sbs193

Bruggeman, J. M., Stockill, H. V., Lenroot, R. K., & Laurens, K. R. (2013). Mismatch negativity (MMN) and sensory auditory processing in children aged 9–12 years presenting with putative antecedents of schizophrenia. *International Journal of Psychophysiology, 89*(3), 374-380. doi:10.1016/j.ijpsycho.2013.05.008

Cullen, A. E., de Brito, S. A., Gregory, S., Murray, R., Williams, S., Hodgins, S., & Laurens, K. R. (2013). Temporal lobe volume abnormalities precede the prodrome: A study of children presenting antecedents of schizophrenia. *Schizophrenia Bulletin, 39*(6), 1318-1327. doi:10.1093/schbul/sbs128

Downs, J. M., Cullen, A. E., Barragan, M., & Laurens, K. R. (2013). Persisting psychotic-like experiences are associated with both externalising and internalising psychopathology in a longitudinal general population child cohort. *Schizophrenia Research, 144*(1), 99-104. doi:10.1016/j.schres.2012.12.009

Matheson, S. L., Vijayan, H., Dickson, H., Shepherd, A. M., Carr, V. J., & Laurens, K. R. (2013). Systematic meta-analysis of childhood social withdrawal in schizophrenia, and comparison with data from at-risk children aged 9–14 years. *Journal of Psychiatric Research, 47*(8), 1061-1068. doi:10.1016/j.jpsychires.2013.03.013

Laurens, K. R., Hobbs, M. J., Sunderland, M., Green, M. J., Mould, G. L. (2012). Psychotic-like experiences in a community sample of 8000 children aged 9 to 11 years: An item response theory analysis. *Psychological Medicine, 42*(7), 1495-1506.

MacManus D, Laurens KR, Walker EF, Brasfield J, Riaz M, Hodgins S (2012) Movement abnormalities and psychotic-like experiences in childhood: Markers of developing schizophrenia? *Psychological Medicine*, 42(1), 99-109.

Laurens, K. R., Hodgins, S., Taylor, E., & Murray, R. (2011). Is earlier intervention for schizophrenia possible? Identifying antecedents of schizophrenia in children aged 9-12 years. In A. S. David, S. Kapur, & P. McGuffin (Eds.), *Schizophrenia: The Final Frontier* (pp. 19-32). London, UK: Psychology Press.

Cullen, A. E., Dickson, H., West, S. A., Morris, R., Mould, G. L., Hodgins, S., Murray, R., & Laurens, K. R. (2010). Neurocognitive performance in children aged 9 – 12 years who present putative antecedents of schizophrenia. *Schizophrenia Research, 121*(1-3), 15-23. doi:10.1016/j.schres.2010.05.034

Laurens, K. R., Hodgins, S., Mould, G. L., West, S. A., Schoenberg, P. L., Murray, R., & Taylor, E. (2010). Error-related processing dysfunction in children aged 9-12 years presenting putative antecedents of schizophrenia. *Biological Psychiatry, 67*(3), 238-245. doi:10.1016/j.biopsych.2009.07.030

Laurens, K. R., West, S. A., Murray, R., & Hodgins, S. (2008). Psychotic-like experiences and other developmental antecedents of schizophrenia in children aged 9-12 years: A comparison of ethnic and migrant groups in the United Kingdom. *Psychological Medicine, 38*(8), 1103-1112. doi:10.1017/S0033291707001845

Laurens, K. R., Hodgins, S., Maughan, B., Murray, R., Rutter, M., & Taylor, E. (2007). Community screening for psychotic-like experiences and other putative antecedents of

schizophrenia in children aged 9-12 years. *Schizophrenia Research, 90*(1-3), 130-146. doi:10.1016/j.schres.2006.11.006

36/06 – "The psychophysiology of neurological abnormalities in first episode psychosis and in healthy individuals - A study using multimodal brain imaging"
Investigadores/*Researchers*: Paola Dazzan, Philip McGuire, Carmine Pariante, Marta Di Forti, Julia Lappin, Valeria Mondelli
Instituição/*Institution*: Division of Psychological Medicine, Institute of Psychiatry, London (UK)
Duração/*Duration*: 2007/03 – 2010/09

Peer-reviewed publications

Tosato, S., Ira, E., Russo, M., Iyegbe, C., Lasalvia, A., Di Forti, M., ... Dazzan, P. (2015). Association between the COMT gene and neurological abnormalities and poorer executive function in psychosis. *Psychiatry Research, 230*(2), 742-743. doi:10.1016/j.psychres.2015.05.105

Zhao, Q., Ma, Y. T., Lui, S. S., Liu, W. H., Xu, T., Yu, X., Tan, S. P., ..., Chan, R. C. K. (2013). Neurological soft signs discriminate schizophrenia from major depression but not bipolar disorder. *Progress in Neuro-Psychopharmacology and Biological Psychiatry, 43*, 72-78. doi:10.1016/j.pnpbp.2012.12.006

Aas, M., Navari, S., Gibbs, A., Mondelli, V., Fisher, H. L., Morgan, C., Morgan, K., MacCabe, J., Reichenberg, A., Zanelli, J., Fearon, P., Jones, P. B., Murray, R. M., Pariante, C. M., & Dazzan, P. (2012). Is there a link between childhood trauma, cognition, and amygdala and hippocampus volume in first-episode psychosis? *Schizophrenia Research, 137*(1-3), 73-79. doi:10.1016/j.schres.2012.01.035

Hepgul, N., Pariante, C. M., Dipasquale, S., Di Forti, M., Taylor, H., Marques, T. R., Morgan, C., Dazzan, P., Murray, R. M., & Mondelli, V. (2012). Childhood maltreatment is associated with increased body mass index and increased C-reactive protein levels in first-episode psychosis patients. *Psychological Medicine, 42*(9), 1893-1901.

Mellacqua, Z., Eyeson, J., Orr, K. D., Morgan, K. D., Zanelli, J., Lloyd, T., Morgan, C., Fearon, P., Hutchinson, G., Doody, G. A., Chan, R. C., Harrison, G., Jones, P. B., Murray, R. M., Reichenberg, A., & Dazzan, P. (2012). Differential relationship between neurological and cognitive dysfunction in first episode psychosis patients and in healthy individuals. *Schizophrenia Research, 142*(1-3), 159-164. doi:10.1016/j.schres.2012.09.016

Mourao-Miranda, J., Reinders, A. A., Rocha-Rego, V., Lappin, J., Rondina, J., Morgan, C., Morgan, K. D., Fearon, P., Jones, P. B., Doody, G. A., Murray, R. M., Kapur, S., & Dazzan, P. (2012). Individualized prediction of illness course at the first psychotic episode: A support vector machine MRI study. *Psychological Medicine, 42*(5), 1037-1047. doi:10.1017/S0033291711002005

Peng, Z. W., Xu, T., Miao, G. D., He, Q. H., Zhao, Q., Dazzan, P., & Chan, R. C. (2012). Neurological soft signs in obsessive-compulsive disorder: the effect of co-morbid psychosis and evidence for familiality. *Progress in Neuro-Psychopharmacology and Biological Psychiatry, 39*(1), 200-205. doi:10.1016/j.pnpbp.2012.06.015

Belvederi Murri M, Pariante CM, Dazzan P, Hepgul N, Papadopoulos AS, Zunszain P, Di Forti M, Murray RM, Mondelli V (2011). Hypothalamic-pituitary-adrenal axis and clinical symptoms in first-episode psychosis. *Psychoneuroendocrinology,37*(5), 629-644.

Dazzan, P., & Chan, R. C. K. (2011). Which neurological abnormalities and neuropsychological impairments share the same substrate in psychosis? *Chinese Science Bulletin, 56*(32), 3372-3375. doi:10.1007/s11434-011-4737-z

Mondelli, V., Cattaneo, A., Belvederi Murri, M., Di Forti, M., Handley, R., ... Pariante, C. (2011). Stress and inflammation reduce brain-derived neurotrophic factor expression in first-episode psychosis: a pathway to smaller hippocampal volume. *Journal of Clinical Psychiatry, 72*(12), 1677-1684. doi:10.4088/JCP.10m06745

Aas, M., Dazzan, P., Mondelli, V., Toulopoulou, T., Reichenberg, A.,Di Forti, M., . . . Pariante, C. (2010). Abnormal cortisol awakening response predicts worse cognitive function in patients with firstepisode psychosis. *Psychological Medicine, 41*(3), 463-476. doi:10.1017/S0033291710001170

Mondelli, V., Pariante, C., Navari, S., Aas, M., D'Albenzio, A., ... Dazzan, P. (2010). Higher cortisol levels are associated with smaller left hippocampal volume in first-episode psychosis. *Schizophrenia Research, 119*(1-3), 75-8. doi:10.1016/j.schres.2009.12.021

Demjaha, A., Morgan, K., Morgan, C., Landau, S., Dean, K., Reichenberg, A., . . . Dazzan, P. (2009). Combining dimensional and categorical representation of psychosis: the

way forward for DSM-V and ICD-11? *Psychological Medicine, 39*(12), 1943-1955. doi:10.1017/S0033291709990651

Dazzan, P., Lloyd, T., Morgan, K., Zanelli, J., Morgan, C., ... Murray, R. (2008). Neurological abnormalities and cognitive ability in first-episode psychosis. *British Journal of Psychiatry, 193*(3), 197-202. doi:10.1192/bjp.bp.107.045450.

44/06 – "Brain electric activity in meditation: Extension of earlier work and hypothesis testing"

Investigadores/*Researchers*: Dietrich Lehmann, Shisei Tei, Pascal Faber, Hiraoki Kumano, Lorena Gianotti, Roberto Pascual-Marqui

Instituição/*Institution*: The KEY Institute for Brain-Mind Research, University Hospital of Psychiatry, Zurich (Switzerland)

Duração/*Duration*: 2007/10 – 2011/01

Peer-reviewed publications

Milz, P., Faber, P. L., Lehmann, D., Kochi, K., & Pascual-Marqui, R. D. (2014). sLORETA intracortical lagged coherence during breath counting in meditation-naïve participants. *Frontiers in Human Neuroscience, 8*, 303. doi:10.3389/fnhum.2014.00303

Faber, P., Lehmann, D., Tei, S., Tsujiuchi, T., Kumano, H., Pascual-Marqui, R., & Kochi, K. (2012). EEG source imaging during two Qigong meditations. *Cognitive Processing, 13*(3), 255-265. doi:10.1007/s10339-012-0441-4.

Lehmann, D., Faber, P., Tei, S., Pascual-Marqui, R., Milz, P., & Kochi, K. (2012). Reduced functional connectivity between cortical sources in five meditation traditions detected with lagged coherence using EEG tomography. *Neuroimage, 60*(2), 1574-1586. doi:10.1016/j.neuroimage.2012.01.042

Tei, S., Faber, P. L., Lehmann, D., Tsujiuchi, T., Kumano, H., Pascual-Marqui, R. D., Gianotti, L. R. & Kochi, K. (2009). Meditators and non-meditators: EEG source imaging during resting. *Brain Topography, 22*(3),158-165.

49/06 – "Exploring extrasensory perception under hypnosis stimulation: Personality, imagery, creativity dimension using emotional/neutral targets and relax-tension/hypnosis condition"

Investigadores/*Researchers*: Alejandro Enrique Parra, Juan Carlos Argibay, Sérgio Matteucci

Instituição/*Institution*: Instituto de Psicologia Paranormal, Buenos Aires (Argentina)

Duração/*Duration*: 2007/02 – 2009/01

Peer-reviewed publications

Parra, A., & Argibay, J. C. (2016). Exploratory study of the temperament theory and paranormal experiences. *Journal of the Society for Psychical Research, 80*(3), 214-223.

Parra, A., & Argibay, J. C. (2016). Individual, perceptual and psychological differences between psi-tested self-claimed psychics and non-psychics. *Australian Journal of Parapsychology, 16*(1), 63-84.

Parra, A. (2015). Gender differences in sensation seeking and paranormal/anomalous experiences. *The Open Psychology Journal, 8*, 54-58.

Parra, A. (2015). Seeing rare things with the mind's eye: Visual imagery vividness and paranormal/anomalous experiences. *Australian Journal of Parapsychology, 15*(1), 37-51.

Parra, A. (2015). Framework of belief in paranormal experiences and its relation to positive/negative schizotypy. *Paranthropology: Journal of Anthropological Approaches to the Paranormal, 6*(1), 26-34.

Parra, A. (2013). Mauvais sommeil et perceptions inhabituelles: Une relation de cause à effet? Bulletin Métapsychique, 14, 10-15

Parra, A., & Argibay, J. C. (2013). A free-response ESP test in two hypnotic susceptibility groups: A pilot study. *Australian Journal of Parapsychology, 13*(1), 27-35.

Parra, A. & Argibay, J.C. (2012) Dos experimentos de percepcion extrasensorial en individuos hipnotizables. *E-boletin Psi, 7*, 1. http://www.alipsi.com.ar/e-boletin/e-boletin-psi_vol.7_no.1_enero_2012.htm#tit03

51/06 – "Hallucination Experience and PSI: A psychological, psychopathological, psychophysiological and transcultural approach"
Investigadores/*Researchers*: Alejandro Enrique Parra, Luis Santiago Espinoza Paul
Instituição/*Institution*: Universidad Abierta Interamericana, Facultad de Psicologia, Buenos Aires (Argentina)
Duração/*Duration*: 2007/02 – 2009/01

Peer-reviewed publications

Parra, A. (2018). Perceptual-personality variables associated with entity encounter experiences. *Australian Journal of Parapsychology, 18*(1), 23-48.

Parra, A. (2012). Experiencias perceptuales inusuales, experiencias anómalo/paranormales y propensión a la esquizotipia. *Universitas Psychologica, 11*(1), 269-278.

Parra, A. (2011). Encuesta on-line de experiencias anómalo/paranormales y su impacto emocional: Relación con género, edad, y otras variables. *Persona, 14*, 211-228.

Parra, A. (2010). Exámen correlacional entre experiencias anómalo/paranormales, disociación, absorción y propensidad a la fantasía: exploracion sobre una muestra de estudiantes. *Revista Iberoamericana de Diagnóstico y Evaluación Psicológica, 29*(2), 77-96.

Parra, A. (2010). Indicadores de propensión a la esquizotipia en individuos creyentes en lo paranormal: Examinando la intensidad de la imaginería y las experiencias alucinatorias**.** *Psicología: Teoria e Prática, 12*(3), 78-94.

Parra, A. (2010). Aura vision as a hallucinatory experience: Its relation to fantasy proneness, absorption, and other perceptual maladjustments *Journal of Mental Imagery, 34* (3&4), 12-24.

Parra, A. & Espinoza Paul, L. (2010) Comparación entre la esquizotipia positiva y negativa con la intensidad de la espiritualidad y las experiencias paranormales en población no-clinica. *Revista Argentina de Clinica Psicológica, 19*(2), 163-172.

Parra, A. (2010). Experiencias extrasensoriales y experiencias alucinatorias: Examinando la hipótesis del continuo de experiencias esquizotípicas. *Liberabit, 16*(1), 1-10.

Parra, A. (2010) Out-of-body experiences and hallucinatory experiences: A psychological approach. *Imagination, Cognition and Personality*, *29*(3), 211-224.

Parra, A. & Espinoza Paul, L. (2010). Extrasensory experiences and hallucinatory experience: Comparision between two nin-clinical samples linked with psychological measures. *Journal of the Society for Psychical Research*, *74.3* (900), 1-11.

Parra, A. (2009). Testeando el modelo disociacional de las experiencias alucinatorias en individuos saludables: Relación con la personalidad y la propensidad a la fantasía. *Revista Latinoamericana de Psicología, 41*(3), 571-586.

Parra, A. (2009). ¿Las experiencias extracorporales son una forma de alucinación corporal? *Subjetividad y Procesos Cognitivos, 13*, 164-173.

Parra, A. (2009). Experiencias alucinatorias nocturnas: Relación con la esquizotipia, tendencias disociativas y propensidad a la fantasía. *Revista Internacional de Psicología, 43*,(1), 134-143.

Parra, A. (2009) Variables cognitivas y perceptuales en la experiencia del déjà vu. *Acta Psiquiátrica y Psicológica de América Latina, 55*(4), 29-36.

Parra, A. & Espinoza Paul, L. (2009). Alucinaciones y apariciones: Exploración intercultural de mediciones perceptuales entre estudiantes limeños y pucallpinos. *Persona, 12*, 187-206.

Parra, A. & Espinoza Paul, L. (2009). Experiencias extracorpóreas en relación a la propensidad a alucinar, esquizotipia y disociación en estudiantes argentinos y peruanos. *Límite: Revista de Filosofía y Psicología, 4*(20), 95-121.

Parra, A. & Espinoza Paul, L. (2009). Exploring the links between nocturnal hallucinatory experiences and personality characteristics. *European Journal of Parapsychology*, *24.2*, 139-154.

Parra, A. & Espinoza Paul, L. (2009). Predisposición hacia las experiencias alucinatorias en Perú: Examinando la continuidad normalidad-patología en individuos clínicos y no clínicos. *Revista Investigación en Psicología (Facultad de Psicología, UNMSM), 12*(2), 133–146.

Parra, A. (2008). Esperienze fuori del corpo ed esperienze allucinatorie: Un approccio psicologico. *Quaderni di Parapsicologia, 39*(9), 32-51.

Parra, A. (2008). Medidas psicológicas en relación con experiencias alucinatorias y experiencias aparicionales. *Persona, 11,* 109-128.

Parra, A. (2008). La “visión del aura” como experiencia alucinatoria en individuos no-clínicos. *Revista Psico-USF, 13*(2), 277-286.

Parra, A. (2008). Efectos de las experiencias espirituales/paranormales en la vida de las personas y su bienestar psicológico. *Revista Argentina de Clínica Psicológica, 17, 233-242.*

Parra, A. (2008). Las experiencias extracorpóreas y las experiencias alucinatorias: Relación con variables cognitivas y perceptuales. *Liberabit, 14,* 5-14.

Parra, A. (2008). Alucinaciones “negativas”: ¿Falla en la percepción o disociación amnésica? *Actualidad Psicológica, 33*(366), 29-31.

Parra, A. (2008). Aura vision as a hallucinatory experience: Its relation to fantasy proneness, absorption, and other perceptual maladjustments. En S. Sherwood (Ed.), *Proceedings of the 51st Annual Convention of the Parapsychological Association* (166-175). West Downs Centre, The University of Winchester: Winchester, England.

Parra, A. (2007). La experiencia alucinatoria: El continuo de experiencias en individuos normales y psicóticos. *Acta Psiquiátrica y Psicológica de América Latina, 53*(4), 244-256.

Parra, A. (2007). ¿Es la alucinación una experiencia normal?: Una evaluación dimensional de la experiencia aluciantoria en individuos no-psicóticos. *Actualidad Psicológica, 32*(359), 20-24.

Parra, A. (2007). Interrelación entre disociación, absorción y propensidad a la fantasía con experiencias alucinatorias en población no-clínica. *Alcmeón: Revista Argentina de Clínica Neuropsiquiátrica*, 16(1), 61-71.

Parra, A. (2007). Seeing and feeling ghosts: Absorption, fantasy proneness, and healthy schizotypy as predictors of crisis apparitional crisis. En J. Palmer (Ed.), *Proceedings of the 50th Annual Convention of the Parapsychological Association* (84-94). Holiday Inn Hotel Halifax, NS, Canadá.

Parra, A.; Adróver, J. F. & González, G. (2006). Estudio exploratorio de la experiencia alucinatoria: Comparación entre población clínica y no-clínica. En A. Trimboli, J.C. Fantin; S. Raggi y P. Fridman (Eds.), *Encrucijadas actuales en salud mental: Primer Congreso Argentino de Salud Mental* (pp. 258-267) Buenos Aires: Akadia.

Parra, A. (2006). “Seeing and feeling ghosts”: Absorption, fantasy proneness, and healthy schizotypy as predictors of crisis apparition experiences. *Journal of Parapsychology, 70*, 357-372.

54/06 – “Heterogeneity in high hypnotic suggestibility and its implications for the study of anomalous experiences”

Investigadores/*Researchers*: Devin Blair Terhune, Etzel Cardeña

Instituição/*Institution*: Department of Psychology, Lund University, Lund (Sweden)

Duração/*Duration*: 2007/09 – 2010/10

Peer-reviewed publications

Acunzo, D., Cardeña, E., & Terhune, D. B. (2020). Anomalous experiences are more prevalent among highly suggestible individuals who are also highly dissociative. *Cognitive Neuropsychiatry*. doi:10.1080/13546805.2020.1715932

Cardeña, E., & Terhune, D. B. (2014). Hypnotizability, personality traits, and the propensity to experience alterations of consciousness. *Psychology of Consciousness: Theory, Research, and Practice, 1*(3), 292-307. doi:10.1037/cns0000026

Terhune, D. B., & Cardeña, E. (2015). Heterogeneity in high hypnotic suggestibility and the neurophysiology of hypnosis. *Neurophysiologie Clinique/Clinical Neurophysiology, 45*(2), 177-179. doi:10.1016/j.neucli.2014.10.003

Marcusson-Clavertz, D., Terhune, D. B., & Cardeña, E. (2012). Individual differences and state effects on mind-wandering: Hypnotizability, dissociation, and sensory homogenization. Consciousness and Cognition, 21(3), 1097–1108. doi:10.1016/j.concog.2012.04.002

Terhune, D. B., & Brugger, P. (2011). Doing better by getting worse: Posthypnotic amnesia improves random number generation. *PLoS ONE, 6*, e29206.

Terhune, D. B., Cardeña, E., & Lindgren, M. (2011). Dissociative tendencies and individual differences in high hypnotic suggestibility. *Cognitive Neuropsychiatry, 16*, 113-135.

Terhune, D. B., Cardeña, E., & Lindgren, M. (2011). Differential frontal-parietal phase synchrony during hypnosis as a function of hypnotic suggestibility. *Psychophysiology, 48*, 1444-1447.

Terhune, D. B., Cardeña, E., & Lindgren, M. (2011). Dissociated control as a signature of typological variability in high hypnotic suggestibility. *Consciousness and Cognition, 20*, 727-736.

Terhune, D. B., & Cardeña, E. (2010). Differential patterns of spontaneous experiential response to a hypnotic induction: A latent profile analysis. *Consciousness and Cognition, 19*, 1140-1150.

Terhune, D. B., Cardeña, E., & Lindgren, M. (2010). Disruption of synaesthesia by posthypnotic suggestion: An ERP study. *Neuropsychologia, 48*, 3360-3364.

Cardeña, E., & Terhune, D. B. (2009). A note of caution on the Waterloo-Stanford Group Scale of hypnotic susceptibility: a brief communication. *International journal of clinical and experimental hypnosis, 57*, 222-226.

57/06 – "The diurnal pattern of cortisol secretion in relation to season in healthy participants and those with seasonal affective disorder (SAD)"

Investigadores/*Researchers*: Angela Clow, Phil Evans, Frank Hucklebridge, Lisa Thorn

Instituição/*Institution*: Psychophysiology and Stress Research Group, Dep. of Psychology and Human and Health Sciences, University of Westminster, London (UK)

Duração/*Duration*: 2007/02 – 2009/05

Peer-reviewed publications

Thorn, L., Evans, P., Cannon, A., Hucklebridge, F., & Clow, A. (2011). Seasonal differences in the diurnal pattern of cortisol secretion in healthy participants and those with self-assessed seasonal affective disorder. *Psychoneuroendocrinology, 36*(6), 816–823. doi:10.1016/j.psyneuen.2010.11.003

Clow, A., Hucklebridge, F., & Thorn, L. (2010). The cortisol awakening response in context. *International Review of Neurobiology, 93*, 153-175. doi:10.1016/S0074-7742(10)93007-9

59/06 – "Probing the human mirror neuron system using EEG: action observation, error monitoring and empathy"

Investigadores/*Researchers*: Joseph Patrick Levy, Armanda H. R. Holmes, Lance Slade, Jonathan Silas, Maria Nielson

Instituição/*Institution*: Centre for Research in Cognition, Emotion and Interaction, School of Human and Life Sciences, Roehampton University, London (UK)

Duração/Duration: 2007/04 – 2011/09

Peer-reviewed publications

Silas, J., Levy, J., Nielsen, M., Slade, L., & Holmes, A. (2010). Sex and individual differences in induced and evoked EEG measures of action observation. *Neuropsychologia, 48*(9), 2417-2426. doi:10.1016/j.neuropsychologia.2010.03.004

62/06 – "The pilgrimage project: A study of motivations and experiences in sacred spaces"

Investigadores/*Researchers*: Miguel H. Farias, Alana Harris, Christina Aus der Au, Katja Wiech, Pedro Soares, Wiebke Friese

Instituição/*Institution*: Ian Ramsey Centre, University of Oxford (UK)

Duração/*Duration*: 2007/03 – 2010/02

Peer-reviewed publications

Farias, M., Coleman, T. J., Bartlett, J. E., Oviedo, L., Soares, P., & Bas, M. (2019). Atheists on the Santiago way: Examining motivations to go on pilgrimage. *Sociology of Religion, 80*(1), 28-44. doi:10.1093/socrel/sry019

Farias, M., van Mulukom, V., Kahane, G., Kreplin, U., Joyce, A., ..., Möttönen, R. (2017). Supernatural belief is not modulated by intuitive thinking style or cognitive inhibition. *Scientific Reports, 7*, Article number: 15100. doi:10.1038/s41598-017-14090-9

Oviedo, L., De Courcier, S., & Farias, M. (2014). Rise of pilgrims on the camino to Santiago: Sign of change or religious revival? *Review of Religious Research, 56(3),* 433-442. doi:10.1007/s13644-013-0131-4

Harris, A. (2013). Lourdes and holistic spirituality: Contemporary catholicism, the therapeutic and religious thermalism. *Culture and Religion, 4*(1), 23-43. doi:10.1080/14755610.2012.756411

64/06 – "Brain imaging study of the psychological antecedents and neural correlates of moral judgement"
Investigadores/*Researchers*: Nicholas Shackel, Katja Wiech, Guy Kahane, Miguel Farias
Instituição/*Institution*: Ian Ramsey Centre, University of Oxford (UK)
Duração/*Duration*: 2007/02 – 2008/12

Peer-reviewed publications

Wiech, K., Kahane, G., Shackel, N., Farias, M., Savulescu, J., & Tracey, I. (2013). Cold or calculating? Reduced activity in the subgenual cingulate cortex reflects decreased emotional aversion to harming in counterintuitive utilitarian judgment. *Cognition, 126*(3), 364-72. doi:10.1016/j.cognition.2012.11.002

Kahane, G., Wiech, K., Shackel, N., Farias, M., Savulescu, J., & Tracey, I. (2011). The neural basis of intuitive and counterintuitive moral judgment. *Social Cognitive and Affective Neurosciences, 7*(4), 393-402. doi:10.1093/scan/nsr005

65/06 – "Exploring the relationship of out-of-body experiences and hallucinations: The role of depersonalization experiences"
Investigadores/*Researchers:* Carlos S. Alvarado, Nancy Zingrone
Instituição/*Institution:* Parapsychology Foundation Satellite Office, Virginia (USA)
Duração/*Duration:* 2007/03 – 2009/05

Peer-reviewed publications

Zingrone, N. L., Alvarado, C. S., & Agee, N. (2009). Psychological correlates of aura vision: Psychic experiences, dissociation, absorption, and synaesthesia-like experiences. *Australian Journal of Clinical and Experimental Hypnosis, 37*(2), 57-94.

70/06 – "Out of body" and "In the body" experience: Psychophysiology of bodily self-consciousness"
Investigador/*Researcher*: Patrick Haggard
Instituição/*Institution*: University College London Institute of Cognitive Neuroscience, London (UK)
Duração/*Duration*: 2007/09 – 2008/05

Peer-reviewed publications

Papeo, L., Longo, M. R., Feurra, M., & Haggard, P. (2010). The role of the right temporoparietal junction in intersensory conflict: detection or resolution? *Experimental Brain Research, 206*, 129-39. doi:10.1007/s00221-010-2198-2

Serino, A., & Haggard, P. (2010). Touch and the body. *Neuroscience & Biobehavioral Reviews, 34*(2), 224-236. doi:10.1016/j.neubiorev.2009.04.004

Tsakiris, M., Longo, M. R., & Haggard, P. (2010). Having a body versus moving your body: neural signatures of agency and body-ownership. *Neuropsychologia, 48*(9), 2740–2749. doi:10.1016/j.neuropsychologia.2010.05.021

Haggard, P., & Jundi, S. (2009). Rubber hand illusions and size-weight illusions: Self-representation modulates representation of external objects. *Perception, 38*(12), 1796-1803. doi:10.1068/p6399

Kammers, M. P., Longo, M. R., Tsakiris, M., Dijkerman, H. C., & Haggard, P. (2009). Specificity and coherence of body representations. *Perception, 38*(12), 1804-1820. doi:10.1068/p6389

Longo, M. R., & Haggard, P. (2009). Sense of agency primes manual motor responses. *Perception, 38*(1), 69-78.

Longo, M. R., Cardozo, S., & Haggard, P. (2008). Visual enhancement of touch and the bodily self. *Consciousness and Cognition, 17*, 1181-1191.

Longo, M. R., Schüür, F., Kammers, M. P. M., Tsakiris, M., & Haggard, P. (2008). What is embodiment? A psychometric approach. *Cognition, 107*, 978-998.

Tsakiris, M., Costantini, M., & Haggard, P. (2008). The role of the right temporo-parietal junction in maintaining a coherent sense of one's body. *Neuropsychologia, 46*, 3014-3018.

71/06 – "Ultra-weak photon emission and EEG in a study on color perception in the dark"
Investigadores/*Researchers*: Roeland Van Wijk, R. Bajpai, E.P.A. Van Wijk, S. Bosman, J.M. Acherman
Instituição/*Institution*: International Institute of Biophysics, Neus (Germany)
Duração/*Duration*: 2007/03 – 2008/04

Peer-reviewed publications

Van Wijk, R., Bosman, S., Ackerman, J., & Van Wijk, E. (2008). Correlation between fluctuations in human ultra-weak photon emission and EEG alpha rhythm. *NeuroQuantology, 6*(4), 452-463.

72/06 – "Required time for cognitive and motor activities in lucid dreams"
Investigadores/*Researchers*: Daniel Erlacher, Michael Schredl, Carmen Gebhart
Instituição/*Institution*: University of Heidelberg, Institute for Sport and Sports Science, Heidelberg (Germany)
Duração/*Duration*: 2007/01 – 2009/01

Peer-reviewed publications

Erlacher, D., Schädlich, M., Stumbrys, T., & Schredl, M. (2014). Time for actions in lucid dreams: effects of task modality, length, and complexity. *Frontiers in Psychology, 4*: 1013. doi:10.3389/fpsyg.2013.01013

Erlacher, D., & Chapin, H. (2010). Lucid dreaming: Neural virtual reality as a mechanism for performance enhancement. International *Journal of Dream Research, 3*(1), 7-10. doi:10.11588/ijodr.2010.1.588

73/06 – "The role of the cortico-basal ganglia circuit in learning and memory: From patient studies to functional neuroimaging"
Investigadores/*Researchers*: Marieke van Asselen, Albert Postma, António Freire Gonçalves, Inês Almeida, José Rebola
Instituição/*Institution*: IBILI - Faculdade de Medicina, Universidade de Coimbra (Portugal)
Duração/*Duration*: 2008/01 – 2011/09

Peer-reviewed publications

Van Asselen, M., Júlio, F., Januário, C., Bobrowicz-Campos, E., Almeida, I., Cavaco, S., & Castelo-Branco, M. (2012). Scanning patterns of faces do not explain impaired emotion recognition in Huntington disease: Evidence for a high level mechanism. *Frontiers in Psychology, 3*, 31. doi:10.3389/fpsyg.2012.00031

Van Asselen, M., Almeida, I., Júlio, F., Januário, C., Bobrowicz Campos, E., Simões, M., Castelo-Branco, M. (2012). Implicit contextual learning in prodromal and early stage Huntington's disease patients. *Journal of the International Neuropsychological Society, 18*(4), 689-696.

Van Asselen, M., Sampaio, J., Pina, A., Castelo- Branco, M., (2010). Object based implicit contextual learning: A study of eye movements. *Attention, Perception & Psychophysics, 73*(2) 297-302.

Van Asselen, M., Almeida, I., André, R., Januário, C., Freire Gonçalves, A., Castelo-Branco, M. (2009). The role of the basal ganglia in implicit contextual learning: A study of Parkinson's disease. *Neuropsychologia*, *47*(5), 1269-1273.

Van Asselen, M., & Castelo-Branco, M. (2009). The role of peripheral vision in implicit contextual cueing. *Attention, Perception, & Psychophysics, 71*(1), 76-81. doi:10.3758/APP.71.1.76

78/06 – "ERP correlates of relational learning: Testing a behavioural model of word webs"
Investigadores/*Researchers*: Simon Dymond, Lanny Fields
Instituição/*Institution*: Wales Institute of Cognitive Neuroscience, Dep. of Psychology, University of Wales, Swansea (UK)
Duração/*Duration*: 2007/01 – 2009/03

Peer-reviewed publications

Wang, T., & Dymond, S. (2013). Event-related potential correlates of emergent inference in human arbitrary relational learning. *Behavioural Brain Research, 236*(1), 332–343. doi:10.1016/j.bbr.2012.08.033

80/06 – "Understanding the role of dendrites in cortical information processing"
Investigadores/*Researchers*: Drazen Domijan, Mladenka Tkalcic, Mia Setic, Ana Prorokvic, Pavle Valerjev
Instituição/*Institution*: Dep. of Psychology, Faculty of Arts and Sciences, University of Rijeka, Rijeka (Croatia)
Duração/*Duration*: 2007/02 – 2010/02

Peer-reviewed publications

Domijan, D. (2011). A computational model of fMRI activity in the intraparietal sulcus that supports visual working memory. *Cognitive, Affective, & Behavioral Neuroscience, 11*(4), 573-599.

Domijan, D., & Setic, M. (2010). Perception as a context for conceptual processing and language understanding. *Review of Psychology, 17*, 47-51.

Domijan, D., & Setic, M. (2008). A feedback model of figure-ground assignment Journal of Vision, 8(7):10, 1-27, http://journalofvision.org/8/7/10/.

Setic, M., & Domijan, D. (2008). Modeling the top-down influences on the lateral interactions in the visual cortex. *Brain Research, 1225*, 86-101.

Domijan, D. (2007). Cortical synchronization as a neural basis for visual perception. *Review of Psychology, 14*, 3-12.

85/06 – "The occurrence, phenomenology and psychological correlates of Out-Of-Body and Near-Death Experiences"
Investigadores/*Researchers*: Craig Murray, David J. Wilde
Instituição/*Institution*: Manchester University, Manchester (UK)
Duração/*Duration*: 2007/06 – 2009/11

Peer-reviewed publications

Wilde, D., & Murray, C. (2010). Interpreting the anomalous: Finding meaning in out-of-body and near-death experiences. *Qualitative Research in Psychology, 7*(1), 57-72. doi:10.1080/14780880903304550

Wilde, D., & Murray, C. (2009). An interpretative phenomenological analysis of out-of-body experiences in two cases of novice meditators. *Australian Journal of Clinical and Experimental Hypnosis, 37*(2), 90-118.

Wilde, D., & Murray, C. (2009). The evolving self: finding meaning in near-death experiences using interpretative phenomenological analysis. *Mental Health, Religion and Culture, 12*(3), 223-239. doi:10.1080/13674670802334910

94/06 – "Feedback modulation of visual processing by limbic circuits: a functional connectivity approach to visual face processing / Modulação retroactiva do processamento visual medidada por circuitos límbicos: conectividade funcional dos circuitos envolvidos no processamento visual de faces"
Investigadores/*Researchers*: Miguel de Sá e Sousa de Castelo-Branco, Cristina Januário, Solange Silva, Aldina Reis, Catarina Mateus, Miguel Cordeiro
Instituição/*Institution*: IBILI - Faculdade de Medicina, Coimbra (Portugal)
Duração/*Duration*: 2008/01 – 2011/02

Peer-reviewed publications

Almeida, I., Van Asselen, M., & Van Asselen, M. (2013). The role of the amygdala and the basal ganglia in visual processing of central vs. peripheral emotional content. *Neuropsychologia, 51*(11), 2120-2129. doi:10.1016/j.neuropsychologia.2013.07.007

Bernardino, I., Castelhano, J., Farivar, R., Silva, E., & Castelo-Branco, M. (2013). Neural correlates of visual integration in Williams syndrome: gamma oscillation patterns in a model of impaired coherence. *Neuropsychologia, 51*(7), 1287-1295. doi:10.1016/j.neuropsychologia.2013.03.020

Graewe, B., Lemos, R., Ferreira, C., Santana, I., Farivar, R., ..., & Castelo-Branco, M. (2013). Impaired processing of 3D motion-defined faces in mild cognitive impairment and healthy aging: an fMRI study. *Cerebral Cortex, 23*(10), 2489-99. doi:10.1093/cercor/bhs246

Graewe, B., De Weerd, P., Farivar, R., & Castelo-Branco, M. (2012). Stimulus dependency of object-evoked responses in human visual cortex: An inverse problem for category specificity. *PLoS ONE 7*(2), e30727. doi:10.1371/journal.pone.0030727

Lemos, R., Figueiredo, P., Santana, I., Simoes, M. R., & Castelo-Branco, M. (2012). Temporal Integration of 3D Coherent Motion Cues Defining Visual Objects of Unknown

Orientation is Impaired in Amnestic Mild Cognitive Impairment and Alzheimer's Disease. *Journal of Alzheimers Disease, 28*(4), 885-896. doi:10.3233/jad-2011-110719

Rebola, J., Castelhano, J., Ferreira, C., & Castelo-Branco, M. (2012). Functional parcellation of the operculo-insular cortex in perceptual decision making: An fMRI study. *Neuropsychologia, 50*(14), 3693-3701. doi:10.1016/j.neuropsychologia.2012.06.020

Van Asselen, M., Júlio, F., Januário, C., Campos, E. B., Almeida, I., Cavaco, S., & Castelo-Branco, M. (2012). Scanning patterns of faces do not explain impaired emotion recognition in Huntington disease: evidence for a high level mechanism. *Frontiers in Psychology, 3*: 31. doi:10.3389/fpsyg.2012.00031

Sampaio, J., Bobrowicz-Campos, E., Andre, R., Almeida, I., Faria, P., Januario, C., . . . Castelo-Branco, M. (2011). Specific impairment of visual spatial covert attention mechanisms in Parkinson's disease. *Neuropsychologia, 49*(1), 34-42. doi:10.1016/j.neuropsychologia.2010.11.002

Gonçalves, O., Reis Marques, T., Lori, N., Sampaio, A., & Castelo-Branco, M. (2010). Obsessive-compulsive disorder as a visual processing impairment. *Medical Hypotheses, 74*(1), 107-109. doi:10.1016/j.mehy.2009.07.048

Nunes, T., Fragata, I., Ribeiro, F., Palma, T., Maroco, J., ... Mendonça, A. (2010). The outcome of elderly patients with cognitive complaints but normal neuropsychological tests. *Journal of Alzheimer´s disease, 19*(1), 137-145. doi:10.3233/JAD-2010-1210

Pires, G., Nunes, U., & Castelo-Branco, M. (2010). Statistical spatial filtering for a P300-based BCI: tests in able-bodied, and patients with cerebral palsy and amyotrophic lateral sclerosis. *Journal of Neuroscience Methods, 195*(2), 270-281. doi:10.1016/j.jneumeth.2010.11.016

Van Asselen, M., Sampaio, J., Pina, A., & Castelo-Branco, M. (2010). Object based implicit contextual learning: a study of eye movements. *Attention, Perception & Psychophysics, 73*(2), 297-302. doi:10.3758/s13414-010-0047-9

Castelo-Branco, M., Kozak, L., Formisano, E., Teixeira, J., Xavier, J., & Goebel, R. (2009). The type of featural attention differentially modultates hMT+responses to illusory motion aftereffects. *Journal of Neurophysiology, 102*(5), 3016-3025. doi:10.1152/jn.90812.2008.

Marques, J., Rebola, J., Figueiredo, P., Pinto, A., Sales, F., & Castelo-Branco, M. (2009). ICA decomposition of EEG signal for fMRI processing in epilepsy. Human *Brain Mapping, 30*(9), 2986-2996. doi:10.1002/hbm.20723

Van Asselen, M., & Castelo-Branco, M. (2009). The role of peripheral vision in implicit contextual learning. *Perception and Psychophysics, 71*(1), 76-81. doi:10.3758/APP.71.1.76

110/06 – "Paranormal belief and well being: An exploratory of cognitive-perceptual bias"
Investigadores/*Researchers:* Neil Andrew Dagnall, Gary Munley, Andrew Parker
Instituição/*Institution:* The Manchester Metropolitan University, Research Institute of Health and Social Change, Manchester (UK)
Duração/*Duration:* 2007/02 – 2009/09

Peer-reviewed publications

Dagnall, N., Drinkwater, K., & Parker, A. (2011). Alien visitation, extra-terrestrial life, and paranormal beliefs. *Journal of Scientific Exploration, 25*(4), 699-720.

Dagnall, N., Drinkwater, K., Parker, A., & Munley, G. (2011). Reality Testing, Belief in the Paranormal, and Urban Legends. *European Journal of Parapsychology, 21*(2), Special Issue, 182–202.

Dagnall, N., Munley, G., Parker, A., & Drinkwater, K. (2010). Paranormal Belief, Schizotypy and Transliminality. *Journal of Parapsychology, 74*, 117-143.

Dagnall, N., Parker, A., Munley, G., & Drinkwater, K. (2010) Common Paranormal Belief Dimensions. *Journal of Scientific Exploration, 24*, 477-494.

Dagnall, N., Parker A., Munley, G., & Drinkwater, K (2010). The relationship between belief in extra-terrestrial life, UFOs-related beliefs and paranormal belief. *Society for Psychical Research, 74*, 1-14.

120/06 – "Psicoendocrinologia do comportamento parental humano: Alterações hormonais, síndrome de couvade e responsividade parental em pais-expectantes"
Investigadores/*Researchers*: Isabel Maria Pereira Leal, Rui Filipe Nunes Pais de Oliveira, Luís Adriano Neves Gonçalves Sobrinho, Rita Maria Morgado Gomez
Instituição/*Institution*: Centro de Investigação e Intervenção, Instituto Superior de Psicologia Aplicada, Lisboa (Portugal)
Duração/*Duration*: 2007/02 – 2009/01

Peer-reviewed publications

Gomez, R., & Leal, I. (2009). Stress parental no período pós-parto: Adaptação do Parental Stress Inventory para a população portuguesa. *Psychologica, 50*, 375-386.

Gomez, R., & Leal, I. (2008). Ajustamento conjugal: Características psicométricas da versão portuguesa da Dyadic Adjustment Scale. *Análise Psicológica, 4*(26), 625-638.

Gomez, R., & Leal, I. (2007). Envolvimento paterno no pós-parto: Estudode validação da Escala de Confirmação das Expectativas Maternas de Suporte*. Psicologia: Teoria, Investigação e Prática, 12*(2), 305-317.

Gomez, R., & Leal, I. (2007). Vinculação parental durante a gravidez: Versão portuguesa da forma materna e paterna da 'Antenatal Emotional Attachment Scale'. *Psicologia, Saúde& Doenças*, *8*(2),153-165.

122/16 – "A fully transparent pre-registered replication study of precognitive detection of reinforcement using an expert consensus design"
Investigadores/*Researchers*: Zoltan Kekecs, Balazs Aczel, Bence Palfi, Aba Szollosi, Barnabas Szaszi
Instituição/*Institution*: Decision Making Laboratory, Faculty of Education and Psychology, Eotvos Lorand University, Budapest (Hungary)
Duração/*Duration*: 2017/05 – 2023/02

Peer-reviewed publications

Kekecs, Z., Palfi, B., Szaszi, B., Szecsi, P., Zrubka, M., Kovacs, M., Bakos, B. E., Cousineau, D., Tressoldi, P., Schmidt, K., Grassi, M., Evans, T. R., Yamada, Y., Miller, J. K., Liu, H., Yonemitsu, F., Dubrov, D., Röer, J. P., Becker, M., Schnepper, R., … Aczel, B. (2023). Raising the value of research studies in psychological science by increasing the credibility of research reports: the transparent Psi project. *Royal Society Open Science, 10*(2), 191375. doi:10.1098/rsos.191375

131/06 – "How do we learn to associate events separate in time: a study using trace auditory fear conditioning"
Investigadores/*Researchers*: Marta de Aragão Pacheco Moita, Marta Guimarães
Instituição/*Institution*: Instituto Gulbenkian de Ciência, Oeiras (Portugal)
Duração/*Duration*: 2007/01 – 2010/07

Peer-reviewed publications

Guimarães, M., Gregório, A., Cruz, A., Guyon, N., & Moita, M. (2011). Time determines the neural circuit underlying associative fear learning. *Frontiers in Behavioral Nueroscience, 5*:89. doi:10.3389/fnbeh.2011.00089

134/06 – "The role of stress in cortico-basal ganglia loop processing and instrumental conditioning"
Investigadores/*Researchers*: Nuno Jorge Carvalho de Sousa, Rui Manuel Fernandes da Costa, Eduardo Miguel Gonçalves Dias Ferreira, João José Cardoso Cerqueira, Pedro Alexandre Teixeira
Instituição/*Institution*: Life and Health Sciences Research Unit, School of Health Sciences, University of Minho, Braga (Portugal)
Duração/*Duration*: 2007/01 – 2010/02

Peer-reviewed publications

Dias-Ferreira, E., Sousa, J., Melo, I., Morgado, P., Mesquita, A. R., Cerqueira, J., … Sousa, N. (2009). Chronic stress causes frontostriatal reorganization and affects decision-making. *Science, 325*(5940), 621-625. doi:10.1126/science.1171203

137/06 – "Influências das Emoções e dos Sentimentos na Percepção do Tempo Cronológico"
Investigadores/*Researchers*: Teresa Maria Morais Garcia-Marques, Alexandre Constâncio Fernandes
Instituição/*Institution*: Unidade de Investigação em Psicologia, do Desenvolvimento e da Educação, Instituto Superior de Psicologia Aplicada, Lisboa (Portugal)
Duração/*Duration*: 2007/02 – 2010/10

Peer-reviewed publications

Fernandes, A. C., & Garcia-Marques, T. (2010). Impacto da expressão facial na percepção de tempo: papel da valência e da activação. *Psicologia, 24*(2), 61-88.

Fernandes, A. C., & Garcia-Maques, T. (2009). Psychophysiological mediation effects of emotional faces impact in time perception. *Psychophysiology, 46*(S1), 52.

Fernandes, A. C., & Garcia-Marques, T. (2008). Affective interference in temporal perception. *International Journal of Psychology, 43*(3/4), 423-424.

144/06 – "Event-related brain potential correlates of conscious and non-conscious processing in anxiety"
Investigadores/*Researchers*: Anne Richards, Amanda Holmes, Emily Hannon
Instituição/*Institution*: Birkbeck College, University of London and Roehampton University, London (UK)
Duração/*Duration*: 2007/10 – 2010/11

Peer-reviewed publications

Richards, A., Holmes, A., Bethell, E., & Pell, P. (2013). Adapting effects of emotional expression in anxiety: Evidence for an enhanced Late Positive Potential. *Social Neuroscience, 8*(6), 650-664. doi:10.1080/17470919.2013.854273

Richards, A., Bethell, E., Holmes, A., & Hannon, E. (2010). Adaptation effects of emotional expressions in anxiety: Evidence for an enhanced late positive potential. *International Journal of Psychophysiology, 77*(3), 234–235. doi:10.1016/j.ijpsycho.2010.06.345

147/06 – "Cognitive and affective trait effects of meditation-training on brain and behaviour: An event-related longitudinal fMRI study"
Investigadores/*Researchers*: Ulrike Halsband, Susanne Muller
Instituição/*Institution*: Department of Psychology/Neuropsychology, University of Freiburg (Germany)
Duração/*Duration*: 2007/03 – 2009/09

Peer-reviewed publications

Halsband, U., Müeller, S., Hinterberger, T., & Strickner, S. (2009). Plasticity changes in the brain in hypnosis and meditation. *Contemporary Hypnosis, 26*(4), 194–215. doi:10.1002/ch.386

150/16 – "An investigation into the causal role of alpha oscillations in attention"
Investigadores/*Researchers*: Alexander Jones, Jonathan Silas, Lars Wicke
Instituição/*Institution*: The Behavioural, Affective, and Cognitive Neuroscience research group - BACneuro, Middlesex University London (UK)
Duração/*Duration*: 2017/03 – 2023/02

Peer-reviewed publications

Silas, J., Jones, A., Yarrow, K., & Anderson, W. (2023). Spatial attention is not affected by alpha or beta transcranial Alternating Current Stimulation: A registered report. *Cortex, 164*, 33-50. doi:10.17605/OSF.IO/P7AME

Jones, A., Yarrow, K. & Silas, J. (2018). Are alpha oscillations generated by the somatosensory cortex involved in tactile attention? A registered report using transcranial Alternating Current Stimulation (tACS). *Cortex*, Registered report: In Principle Accepted. doi:10.17605/OSF.IO/P7AME

Silas, J., Tipple, A., & Jones, A. (2019). Event-related alpha desynchronization in touch – Comparing attention and perception. *Neuroscience Letters, 705*, 131-137. doi:10.1016/j.neulet.2019.04.058

151/06 – "The measurement and characterization of charge accumulation and electromagnetic energy emissions from bioenergy healers: Part 2"
Investigador/*Researcher*: William Joines
Instituição/*Institution*: Rhine Research Centre, Durham, North Carolina (USA)
Duração/Duration: 2007/02 – 2012/05

Peer-reviewed publications

Joines, W., Baumann, S., & Kruth, J. (2012). Electromagnetic emission from humans during focused intent. *Journal of Parapsychology, 76*(2), 275-294.

154/06 – "High-frequency oscillations and rhythmic slow activity during virtual navigation, REM sleep and wake-sleep transitions: Studies on intracranial recordings in humans"
Investigadores/*Researchers*: Péter Halász, Zsófia Clemens, Csaba Borbély, Daniel Fabó
Instituição/*Institution*: Budapest-Bethel Epilepsy Center Foundation (BBEC), Budapest (Hungary)
Duração/*Duration*: 2008/01 – 2009/10

Peer-reviewed publications

Clemens, Z., Borbély, C., Weiss, B., Eross, L., Szucs, A., Kelemen, A., Fabó, D., Rásonyi, G., Janszky, J., & Halász, P. (2013). Increased mesiotemporal delta activity characterizes virtual navigation in humans. *Neuroscience Research, 76*(1-2), 67-75. doi:10.1016/j.neures.2013.03.004

Clemens, Z., Mölle, M., Eross, L., Jakus, R., Rásonyi, G., Halász, P., & Born, J. (2009). Fine-tuned coupling between human parahippocampal ripples and sleep spindles. *European Journal of Neuroscience, 33*(3), 511-520. doi:10.1111/j.1460-9568.2010.07505.x

Clemens, Z., Weiss, B., Szucs, A., Eross, L., Rásonyi, G., & Halász, P. (2009). Phase coupling between rhythmic slow activity and gamma characterizes mesiotemporal rapid-eye-movement sleep in humans. *Neuroscience, 163*(1), 388-96. doi:10.1016/j.neuroscience.2009.06.044

Eross, L., Entz, L., Fabó, D., Jakus, R., Szucs, A., Rásonyi, G., ... Halász, P. (2009). Interhemispheric propagation of seizures in mesial temporal lobe epilepsy. *Ideggyogy Sz, 62*(9-10), 319–325.

157/06 – "Enhancing hit rates on psi tests with optimal levels of transliminality"
Investigador/*Researcher*: James Houran
Instituição/*Institution*: Integrated Knowledge Systems Inc., Springfield (USA)
Duração/*Duration*: 2007/01 – 2008/07

Peer-reviewed publications

Houran, J., & Lange, R. (2009). Searching for an optimal level of transliminality in relation to putative psi. *Journal of the Society for Psychical Research*, *73*, 92-102.

Houran, J., & Lange, R. (2012). I Ching outcomes from experimental manipulations of transliminality and paranormal belief. *Australian Journal of Parapsychology, 12*(1), 39-58.

Houran, J. (2007). Entropy and environmental mystery: A parapsychological perspective. *Perceptual and Motor Skills*, 105, 688-690.

161/06 – "The relation of mind to body. Psychophysiological studies of the placebo effect"
Investigadores/*Researchers*: Magne Arve Flaten, Oddmund Johansen, Simonsen, Per M. Aslaksen, Peter Lyby, Espen Bjorkedal
Instituição/*Institution*: Department of Psychology, University of Tromso (Norway)
Duração/*Duration*: 2007/01 – 2010/05

Peer-reviewed publications

Bjørkedal, E., & Flaten, M. (2012). Expectations of increased and decreased pain explain the effect of conditioned pain modulation in females. *Journal of Pain Research, 5*, 289-300. doi:10.2147/JPR.S33559

Aslaksen, P., Vambheim, S., Bystad, M., & Flaten, M. (2011). Gender differences in placebo analgesia: event-related potentials and emotional modulation. *Psychosomatic Medicine, 73*(2), 193-199. doi:10.1097/PSY.0b013e3182080d73

Bjørkedal, E., & Flaten, M. (2011). Interaction between expectancies and drug effects: an experimental investigation of placebo analgesia with caffeine as an active placebo. *Psychopharmacology, 215*(3), 537-548. doi:10.1007/s00213-011-2233-4

Flaten, M., Aslaksen, P., Lyby, P., & Bjørkedal, E. (2011). The relation of emotions to placebo responses. *Philosophical Transactions of the Royal Society B, 366*, 1818–1827. doi:10.1098/rstb.2010.0407

Lyby, P., Aslaksen, P., & Flaten, M. (2011). Variability in placebo analgesia and the role of fear of pain—an ERP study. *Pain, 152*(10), 2405-2412. doi:10.1016/j.pain.2011.07.010

Lyby, P., Aslaksen, P.,& Flaten, M. (2010). Is fear of pain related to placebo analgesia? *Journal of Psychosomatic Research, 68*(4), 369-377. doi:10.1016/j.jpsychores.2009.10.009

Åsli, O., Kulvedrøsten, S., Solbakken, L., & Flaten, M. (2009). Fear potentiated startle at short intervals following conditioned stimulus onset during delay but not trace conditioning. *Psychophysiology, 46*(4), 880-888. 10.1111/j.1469-8986.2009.00809.x

Flaten, M. (2009). Drug effects: agonistic and antagonistic processes. *Scandinavian Journal of Psychology, 50*(6), 652-659. doi:10.1111/j.1467-9450.2009.00776.x

Aslaksen, P., & Flaten, M. (2008). The roles of physiological and subjective stress in the effectiveness of a placebo on experimentally induced pain. *Psychosomatic Medicine, 70*(7), 811-818. doi:10.1097/PSY.0b013e31818105ed

Aslaksen, P., Myrbakk, I., Høifødt, R., & Flaten, M. (2007). The effect of experimenter gender on autonomic and subjective responses to pain stimuli. *Pain, 129*(3), 260-268. doi:10.1016/j.pain.2006.10.011

162/06 – "Paranormal healing, paranormal belief, and physical and psychological well-being"

Investigadores/*Researchers*: Caroline Watt, Alison Easter

Instituição/*Institution*: Koestler Parapsychology Unit, Psychology Department, The University of Edinburgh (UK)

Duração/*Duration*: 2007/01 – 2009/03

Peer-reviewed publications

Easter, A., & Watt, C. (2011). It's good to know: How treatment knowledge and belief affect the outcome of distant healing intentionality for arthritis sufferers. *Journal of Psychosomatic Research, 71*, 86-89.

163/06 – "Effects of hypnotizability on EEG and autonomic concomitants of imagery and emotion production"

Investigadores/*Researchers*: Zvonikov Vyacheslav Michailovich, Stroganova Tatiana Alexandrovna, Anna Kirenskaya, Vladimir Novototsky-Vlasov, Andrey Chistyakov

Instituição/*Institution*: Serbsky National Research Centre for Social and Forensic Psychiatry, Moscow (Russia)

Duração/*Duration*: 2007/06 – 2009/07

Peer-reviewed publications

Kirenskaya, A. V., Novototsky-Vlasov, V. Y., Chistyakov, A. N., & Zvonikov, V. M. (2011). The relationship between hypnotizability, internal imagery and efficiency of neurolinguistic programming. *International Journal of Clinical and Experimental Hypnosis, 59*(2), 225-241. doi:10.1080/00207144.2011.546223

Kirenskaya, A., Novototsky-Vlasov, V. Y., & Zvonikov, V. M. (2011). Waking EEG spectral power and coherence differences between high and low hypnotizable subjects. *International Journal of Clinical and Experimental Hypnosis, 59*(4), 441-453. doi:10.1080/00207144.2011.594744

165/06 – "The sense of self in the brain: neural correlates of self-recognition"

Investigadores/*Researchers*: Emmanouil (Manos) Tsakiris, Angela Sirigu, Patrick Haggard, Matteus Joffily

Instituição/*Institution*: Department of Psychology, Royal Holloway, University of London (UK)

Duração/*Duration*: 2007/09 – 2010/01

Peer-reviewed publications

Tsakiris M, Longo MR & Haggard P (2010). Having a body versus moving your body: neural signatures of agency and body-ownership. *Neuropsychologia, 48*(9):2740-2749.

Haggard P & Tsakiris M. (2009) The experience of agency: feeling, judgment and responsibility. *Current Directions in Psychological Science*, 18(4), 242-246.

Tsakiris, M. (2008). The self-other distinction: insights from self-recognition experiments. In F. Morganti, A., Carassa, & G. Riva (Eds), *Enacting intersubjectivity: A cognitive and social perspective to the study of interactions* (pp. 149-164). Amsterdam, Netherlands: IOP Press.

167/06 – "A study to assess the Validity of Applied Kinesiology (AK) as a diagnostic tool and as a nonlocal proximity effect"
Investigadores/*Researchers*: Stephan A. Schwartz, Ginette Nachman, William Frazer Morris
Instituição/*Institution*: Laboratories for Fundamental Research, California (USA)
Duração/*Duration*: 2007/02 – 2010/01

Peer-reviewed publications

Schwartz, S. A., Utts, J., Spottiswoode, J., Shade, C., Tully, L., Morris, W., & Nachman, G. (2014). A double-blind, randomized study to assess the validity of Applied Kinesiology (AK) as a diagnostic tool and as a nonlocal proximity effect. *Explore: The Journal of Science and Healing, 10*(2), 99-108. doi:10.1016/j.explore.2013.12.002

169/06 – "Exploring the relationship between paranormal belief, the propensity to make the type I error and the detection of paranormal and weak signals amid visual and auditory noise"
Investigador/*Researcher*: Christine Simmonds-Moore
Instituição/*Institution*: Liverpool Hope University (UK)
Duração/*Duration*: 2009/09 – 2011/01

Peer-reviewed publications

Simmonds-Moore, C. (2014). Exploring the perceptual biases associated with believing and disbelieving in paranormal phenomena. *Consciousness and Cognition, 28*, 30-46. doi:10.1016/j.concog.2014.06.004

170/06 – "Seeing the future: Exploring presentiment with eye gaze and pupillary dilation"
Investigador/*Researcher*: Dean Radin
Instituição/*Institution*: Institute of Noetic Sciences, California (USA)
Duração/*Duration*: 2007/01 – 2008/10

Peer-reviewed publications

Radin, D. I. & Borges, A. (2009). Intuition through time: What does the seer see? *Explore: The Journal of Science and Healing,* 5(4), 200-211.

181/06 – "Brain activity during psychokinetic task - Research with Near Infrared Spectroscopy"
Investigadores/*Researchers*: Mikio Yamamoto, Hideyuki Kokubo
Instituição/*Institution*: Institute for Living Body Measurements, International Research Institute, Chiba (Japan)
Duração/*Duration*: 2007/02 – 2008/04

Peer-reviewed publications

Kokubo, H., Usui, T., Yamamoto, M., & Yoichi, H. (2008). Psychophysiological study on a psychic during PK and facial recognition tasks. *Japanese Journal of Parapsychology, 13*, 18-27. [in Japanese]

Kokubo, H., & Yamamoto, M. (2008). Research on brain activity during psychokinesis task. In *Proceedings of presented papers of the 4th Psi Meeting: Parapsychology & Psychology* (pp. 66-80). Curitiba, Brazil: Faculdades Intergradas Espirita.

Kokubo, H., Yamamoto, M., Usui, T., & Yoichi, H. (2008). Brain blood flow during psychokinesis tasks - Biophysical and psychophysiological study on a psychic. *Journal of International Society of Life Information Science, 26*(2), 223-246.

195/06 – "Seeing into the future: Temporally reversed implicit perceptual priming"
Investigadores/*Researchers*: Jonathan Wolf Schooler, Merill McSpadden
Instituição/*Institution*: Memory, Emotion, Thought and Awareness Labs, Department of Psychology, University of British Columbia, Vancouver (Canada)
Duração/*Duration*: 2007/05 – 2011/03

Peer-reviewed publications

Schooler, J. W. (2011). Unpublished results hide the decline effect. *Nature, 470*(7335), 437. doi:10.1038/470437a

Publicações revistas por pares – Apoios à Investigação Científica 2008/09
Peer-reviewed publications – Grants for Scientific Research 2008/09

23/08 – "A test for mindfulness – The bistable images test"
Investigadores/*Researchers*: Harald Walach, Ursula Mochty
Instituição/*Institution*: University of Northampton, School of Social Sciences (UK)
Duração/*Duration*: 2009/01 – 2010/09

Peer-reviewed publications

Sauer, S., Lemkec, J., Wittmann, M., Kohls, N., Mochty, U., & Walach, H. (2012). How long is now for mindfulness meditators? *Personality and Individual Differences, 52*(6), 750-754. doi:10.1016/j.paid.2011.12.026

29/08 – "Emotional processing from language and music: Comparative neurocognitive and functional neuroimaging studies"
Investigadores/*Researchers*: Maria de São Luís de Vasconcelos Fonseca e Castro Schöner, Armando César Ferreira Lima, António José de Bastos Leite, Maria Carolina Lobo Almeida Garrett
Instituição/*Institution*: Centro de Psicologia da Universidade do Porto, Grupo de Investigação em Linguagem (Portugal)
Duração/*Duration*: 2009/01 – 2015/09

Peer-reviewed publications

Lima, C. F., Anikin, A., Monteiro, A. C., Scott, S. K., & Castro, S. L. (2019). Automaticity in the recognition of nonverbal emotional vocalizations. *Emotion, 19*(2), 219-233. doi:10.1037/emo0000429

Castro, S. L., & Lima, C. F. (2014). Age and musical expertise influence emotion recognition in music. *Music Perception, 32*(2), 125-142. DOI:10.1525/MP.2014.32.2.125

Lima, C. F., Alves, T., Scott, S. K., & Castro, S. L. (2014). In the ear of the beholder: How age shapes emotion processing in nonverbal vocalizations. *Emotion, 14*(1), 145-160. doi:10.1037/a0034287

Lima, C. F., Castro, S. L., & Scott, S. K. (2013). When voices get emotional: A corpus of nonverbal vocalizations for research on emotion processing. *Behavior Research Methods, 45*(4), 1234-1245. doi:10.3758/s13428-013-0324-3

Lima, C. F., Garrett, C., & Castro, S. L. (2013). Not all sounds sound the same: Parkinson's disease affects differently emotion processing in music and in speech prosody. *Journal of Clinical and Experimental Neuropsychology, 35*(4), 373-392. doi:10.1080/13803395.2013.776518

Lima, C. F., & Castro, S. L. (2011). Emotion recognition in music changes across the adult life span. *Cognition & Emotion, 25*, 585-598. doi:10.1080/ 02699931.2010.502449

Lima, C. F., & Castro, S. L. (2011). Speaking to the trained ear: Musical expertise enhances the recognition of emotions in speech prosody. *Emotion, 11*, 1021-1031. doi:10.1037/a0024521

Castro, S. L., & Lima, C. F. (2010). Recognizing emotions in spoken language: A validated set of Portuguese sentences and pseudo-sentences for research on emotional prosody. *Behavior Research Methods, 42*, 74-81. doi:10.3758/BRM.42.1.74.

30/08 – "Does meditation practice modulate the dynamics of attentional neural networks? An EEG study"
Investigadores/*Researchers*: Peter Malinowski, Thomas Gruber, Gernot G. Supp
Instituição/*Institution*: Liverpool John Moores University, School of Psychology (UK)
Duração/*Duration*: 2009/09 – 2011/04

Peer-reviewed publications

Pozuelos, J. P., Mead, B., R., Rueda, M. R., & Malinowski, P. (2019). Short-term mindful breath awareness training improves inhibitory control and response monitoring. *Progress in Brain Research, 244*, 137-163. doi:10.1016/bs.pbr.2018.10.019

Malinowski, P. (2013). Neural mechanisms of attentional control in mindfulness meditation. *Frontiers in Neuroscience,* 7, 8. doi:10.3389/fnins.2013.00008

Moore, A. W., Gruber, T., Derose, J. & Malinowski, P. (2012). Regular, brief mindfulness meditation practice improves electrophysiological markers of attentional control. *Frontiers in Human Neuroscience, 6,* 18. doi:10.3389/fnhum.2012.00018.

Chiesa, A. & Malinowski, P. (2011). Mindfulness based interventions: are they all the same? *Journal of Clinical Psychology, 67(4)*, 404-424.

32/08 – "Conscious will and voluntary actions: is there a last ventriloquist in the brain?"
Investigadores/*Researchers*: Jose Luis Perez Velazquez, Richard Wennberg, Luis Garcia Dominguez
Instituição/*Institution*: Hospital for Sick Children, University of Toronto (Canada)
Duração/*Duration*: 2009/04 – 2012/02

Peer-reviewed publications

Kostelecki, W., Mei, Y., Garcia Dominguez L, & Pérez Velázquez, J. L. (2012). Patterns of brain activity distinguishing free and forced actions: contribution from sensory cortices. *Frontiers in Integrative Neuroscience, 6*(84), 1-7. doi:10.3389/fnint.2012.00084

Perez Velazquez, J. L. (2012). The biophysical bases of will-less behaviors. *Frontiers in Integrative Neuroscience, 6*(98). doi:10.3389/fnint.2012.00098

Garcia Dominguez, L., Kostelecki, W., Wennberg, R., & Perez-Velazquez, J. (2011). Distinct dynamical patterns that distinguish willed and forced actions. *Cognitive Neurodynamics, 5*(1), 67-76. doi:10.1007/s11571-010-9140-y

Kostelecki, W., Garcia Dominguez, L., & Perez-Velazquez, J. (2011). Single trial classification of magnetoencephalographic recordings using Granger causality. *Journal of Neuroscience Methods, 199*(2), 183-191. doi:10.1016/j.jneumeth.2011.04.032

34/08 – "Process- and proof-focused investigation of anomalous information reception by mediums: A two-part quantitative study"
Investigadores/*Researchers*: Julie Beischel, Adam Rock, Mark E. Boccuzzi, Michael Biuso
Instituição/*Institution*: The Windbridge Institute for Applied Research in Human Potential, Tucson (USA)
Duração/*Duration*: 2009/01 – 2011/02

Peer-reviewed publications

Beischel, J., Boccuzzi, M., Biuso, M., & Rock, A. J. (2015). Anomalous information reception by research mediums under blinded conditions II: Replication and extension. *EXPLORE: The Journal of Science & Healing, 11*(2), 136-142. doi:10.1016/j.explore.2015.01.001

Rock, A. J., Beischel, J., Boccuzzi, M., & Biuso, M. (2014). Discarnate readings by claimant mediums: Assessing phenomenology and accuracy under beyond double-blind conditions. *Journal of Parapsychology, 78*(2), 183–194.

36/08 – "Neural correlates of sympathetic magical belief"
Investigadores/*Researchers*: Bruce M. Hood, Nathalia Gjersoe, Richard Wise
Instituição/*Institution*: Cardiff University Brain & Repair Imaging Centre (UK)
Duração/Duration: 2009/02 – 2012/02

Peer-reviewed publications

Hood, B., Gjersoe, N. L., & Bloom, P. (2012). Do children think that duplicating the body also duplicates the mind? *Cognition, 125*(3), 466-474. doi:10.1016/j.cognition.2012.07.005

Lindeman, M., Riekki, T., & Hood, B. (2011). Is weaker inhibition associated with supernatural beliefs? *Journal of Cognition and Culture, 11*(1-2), 231-239. doi:http://dx.doi.org/10.1163/156853711X570038

Hood, B.M., Donnelly, K., Leonards, U., & Bloom, P. (2010). Implicit voodoo: electrodermal activity reveals a susceptibility to sympathetic magic. *Journal of Culture and Cognition, 3*(4), 391-399

39/08 – "Anomalous communication: The transmission of subjective significance"
Investigadores/*Researchers*: Wolfgang Ambach, Tim Schönwetter
Instituição/*Institution*: Institute for Frontier Areas of Psychology and Mental Health (IGPP), Freiburg (Germany)
Duração/*Duration*: 2009/02 – 2011/09

Peer-reviewed publications

Dagnall, N., Denovan, A., Drinkwater, K., Parker, A., Clough, P. (2016). Toward a better understanding of the relationship between belief in the paranormal and statistical bias: The potential role of schizotypy. *Frontiers in Psychology, 7*: 1045. doi:10.3389/fpsyg.2016.01045

Schönwetter, T., Ambach, W., & Veitl, D. (2011). Does autonomic nervous system activity correlate with events conventionally considered as unperceivable? Using a guessing task with physiological measurement. *Journal of Parapsychology, 75*(2), 327.

Schönwetter, T., Ambach, W., & Vaitl, D. (2011). Does a modified guilty knowledge test reveal anomalous interactions within pairs of participants? *Journal of Parapsychology, 75*(1), 93-118.

42/08 – "Marcadores Fisiológicos de Processamento Sensorial do Recém-Nascido" - "Physiological markers of the sensory processing in the neonate"
Investigadores/*Researchers:* Adriana da Conceição Soares Sampaio, Maria de Góis Vicente Ramalho Eanes, Clédna Patrícia de Oliveira Silva, Hugo Miguel Braga de Almeida Tavares
Instituição/*Institution:* CIPsi - Centro de Investigação em Psicologia, Universidade do Minho, Braga (Portugal)
Duração/*Duration:* 2009/02 – 2013/02

Peer-reviewed publications

Cruz, S., Crego, A., Moreira, C., Ribeiro, E., Gonçalves, Ó., Ramos, R., & Sampaio, A. (2022). Cortical auditory evoked potentials in 1-month-old infants predict language outcomes at 12 months. *Infancy, 27*(2), 324-340. doi:10.1111/infa.12454

Mateus, V., Cruz, S., Ferreira-Santos, F., Osório, A., Sampaio, A., & Martins, C. (2018). Contributions of infant vagal regulation at 1 month to subsequent joint attention abilities. *Developmental Psychobiology, 60*(1), 111–117. doi:10.1002/dev.21582

Cruz, S., Ferreira-Santos, F., Oliveira-Silva, P., Ribeiro, E., Gonçalves, O. F., & Sampaio, A. (2018). Vagal modulation of 1-month-old infants to auditory stimuli is associated with self-regulatory behavior. *Social Development, 27*(2), 322-334. doi:10.1111/sode.12270

Cruz, S., Crego, A., Ribeiro, E., Gonçalves, O., & Sampaio, A. (2015). A VEP study in sleeping and awake one-month-old infants and its relation with social behavior. *International Journal of Developmental Neuroscience, 41*, 37-43. 10.1016/j.ijdevneu.2014.12.00

Góis-Eanes, M., Gonçalves, O., Caldeira-da-Silva, P., & Sampaio, A. (2012). Biological and physiological markers of tactile sensorial processing in healthy newborns. *Infant Mental Health Journal, 33*(5), 535-542. doi:10.1002/imhj.21328

44/08 – "A Test of the Model of Pragmatic Information (MPI) using European Cases of Anomalous Experiences"
Investigadores/*Researchers*: Caroline Watt, Ian Tierney
Instituição/*Institution*: Koestler Parapsychology Unit, The University of Edinburgh (UK)
Duração/*Duration*: 2009/04 – 2012/01

Peer-reviewed publications

Watt, C., & Tierney, I. (2013). A preliminary test of the Model of Pragmatic Information using cases of spontaneous anomalous experience. *Journal of Consciousness Studies, 20*(11-12), 205-220.

45/08 – "Refining the methodology of alpha electroencephalographic biofeedback and exploring its effect on cognition and mood"
Investigadores/*Researchers*: David Vernon, Soren Andersen, Neil Rutterford, Marcia Pasqualini, Olga Bazanova
Instituição/*Institution*: Dept. of Applied Social Sciences, Canterbury Christ Church University (UK), University of East Anglia Norwich (UK), Dept. of Psychology, Avila University, Kansas City (USA), Siberian Branch of the Russian Medical Academy, State Institute for Molecular Biology and Biophysics, Nonvosibirsk (Russia)
Duração/*Duration*: 2009/02 – 2012/04

Peer-reviewed publications

Bazanova, O., & Vernon, D. (2013). Interpreting EEG alpha activity. *Neuroscience and Biobehavioral Reviews, 44*, 94-110. doi:10.1016/j.neubiorev.2013.05.007

Bazanova, O. M. (2012). Alpha EEG activity depends on the individual dominant rhythm frequency. *Journal of Neurotherapy, 16*(4), 270-284. doi:10.1080/10874208.2012.730786

Bazanova, O. (2010). Individual alpha peak frequency variability and reproducibility in various experimental conditions. *Zh Vyssh Nerv Deiat Im I P Pavlova, 60*(6), 767-776.

Vernon, D., Dempster, T., Bazanova, O., Rutterford, N., Pasqualini, M., Andersen, S. (2009). Alpha neurofeedback training for performance enhancement: reviewing the methodology. *Journal of Neurotherapy, 13*, 1-13.

48/08 – "ERP correlates of relational learning II: Testing a visual-visual and auditory-visual priming"
Investigadores/*Researchers*: Simon Dymond, Sara Tepaeru Minster
Instituição/*Institution*: Department of Psychology, Wales Institute of Cognitive Neuroscience, Swansea University, Wales (UK)
Duração/*Duration*: 2009/09 – 2011/03

Peer-reviewed publications

Want, T., & Dymond, S. (2013). Event-related potential correlates of emergent inference in human arbitrary relational learning. *Behavioural Brain Research, 236*(1), 332-43. doi:10.1016/j.bbr.2012.08.033

54/08 – "Brain activity during remote information access"
Investigadores/*Researchers:* Jérôme Daltrozzo, Boris Kotchoubey, Ahmed A. Karim
Instituição/*Institution:* Institute of Medical Psychology and Behavioral Neurobiology, Eberhard-Karls-University, Tübingen (Germany)
Duração/*Duration:* 2009/10 – 2011/06

Peer-reviewed publications

Daltrozzo, J., Kotchoubey, B., Gueler, F., & Karim, A. A. (2016). Effects of transcranial magnetic stimulation on body perception: No evidence for specificity of the right temporo-parietal junction. *Brain Topography, 29*(5), 704-715. doi:10.1007/s10548-016-0496-0

Klein, E., Mann, A., Huber, S., Bloechle, J., Willmes, K., Karim, A. A., Nuerk, H. C., & Moeller, K. (2013). Bilateral bi-cephalic tDCS with two active electrodes of the same polarity modulates bilateral cognitive processes differentially. *Plos One, 8*(8): e71607. doi:10.1371/journal.pone.0071607

Krippl, M. & Karim, A. A. (2011). "Theory of Mind' und ihre neuronalen Korrelate bei forensisch relevanten Störungen. *Der Nervenarzt, 82*(7), 843-852. doi:10.1007/s00115-010-3073-x

Karim, A. A. (2010). Transcranial cortex stimulation as a novel approach for probing the neurobiology of dreams: Clinical and neuroethical implications. *International Journal of Dream Research, 3*(1), 17-20. doi:10.11588/ijodr.2010.1.593

Noreika, V., Windt, J., Lenggenhager, B., & Karim, A. A. (2010). New perspectives for the study of lucid dreaming: from brain stimulation to philosophical theories of self-consciousness. *International Journal of Dream Research, 3*(1), 36-45. doi:10.11588/ijodr.2010.1.586

56/08 – "The sheep-goat effect as a matter of compliance vs. noncompliance: The effect of reactance in a forced-choice ball selection test"
Investigadores/*Researchers*: Lance Storm, Adam Rock, Suitbert Ertel
Instituição/*Institution*: Anomalistic and Transpersonal Psychology Research Unit, School of Psychology, Deakin University, Burwood (Australia)
Duração/*Duration*: 2009/03 – 2010/09

Peer-reviewed publications

Storm, L., Ertel, S., & Rock, A. J. (2013). The sheep-goat effect as a matter of compliance vs. noncompliance: The effect of reactance in a forced-choice ball selection test. *Journal of Scientific Exploration, 27*(3), 393-411.

Storm, L., Ertel, S., & Rock, A. J. (2013). Paranormal effects and behavioural characteristics of participants in a forced-choice psi task: Ertel's Ball Selection Test under scrutiny. *Australian Journal of Parapsychology, 13*, 111-131.

59/08 – "Generating psi with optimal levels of transliminality - a critical replication and extension"
Investigador/*Researcher*: James Houran
Instituição/*Institution*: Integrated Knowledge Systems, Springfield (USA)
Duração/*Duration*: 2009/02 – 2010/02

Peer-reviewed publications

Houran, J., Lynn, S., & Lange, R. (2017). Commentary on Stokes's (2017) Quest for "White Crows" in Spontaneous Cases of Psi. *Australian Journal of Parapsychology, 17*(1), 61-88.

Lange, R., & Houran, J. (2013). Towards a replicable formula for significant 'I Ching' outcomes. *Australian Journal of Parapsychology, 13*(1), 9-25.

Lange, R., & Houran, J. (2010). Transliminal view of intuitions in the workplace. *North American Journal of Psychology, 12*(3), 501-516.

63/08 – "Experimental tests of the role of consciousness in the physical world"
Investigadores/*Researchers*: Dean Radin, Paul Wendland, Robert Rickenbach, Cassandra Vieten
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2009/02 – 2011/02

Peer-reviewed publications

Radin, D. Michel, L., Delorme, A. (2016). Psychophysical modulation of fringe visibility in a distant double-slit optical system. *Physics Essays, 29*(1), 14-22.

Radin, D. Michel, L., Delorme, A. (2015). Reassessment of an independent verification of psychophysical interactions with a double-slit interference pattern. *Physics Essays, 28*(4), 415-416.

Radin, D., Delorme, A., & Michel, L. (2013). Psychophysical interactions with a double-slit interference pattern. *Physics Essays, 26*(4), 553-566..

Radin, D., Michel, L., Galdamez, K., Wendland, P., Rickenbach, R., & Delorme, A. (2012). Consciousness and the double-slit interference pattern: Six experiments. *Physics Essays, 25*(2), 157-171. doi:10.4006/0836-1398-25.2.157

Radin, D., Vieten, C., Michel, L., & Delorme, A. (2011). Electrocortical activity prior to unpredictable stimuli in meditators and nonmeditators. *Explore: The Journal of Science and Healing, 7*(5), 286-299. doi:10.1016/j.explore.2011.06.004

66/08 – "Spirituality, religious coping and paranormal beliefs and their relation to OCD and anxiety disorders' symptomatology and treatment outcome"
Investigadores/*Researchers*: Agorastos Agorastos, Steffen Moritz, Michael Kellner, Christoph Muhtz
Instituição/*Institution*: University Medical Centre UKE – Hamburg Eppendorf, Centre of Psychosocial Medicine, University Clinic of Psychiatry and Psychotherapy, Department for Anxiety Disorders, Hamburg (Germany)
Duração/*Duration*: 2009/01 – 2011/06

Peer-reviewed publications

Agorastos, A., Metscher, T., Huber, C.G., Jelinek, L., Vitzthum. F.,... & Moritz, S. (2012). Religiosity, magical ideation, and paranormal beliefs in anxiety disorders and obsessive-

compulsive disorder: a cross-sectional study. *Journal of Nervous and Mental Disease, 200*(10), 876-84. doi:10.1097/NMD.0b013e31826b6e92

71/08 – "Emergent information in the visual environment: the role of fractal dimension in anomalous information acquisition"
Investigador/*Researcher*: Paul Stevens
Instituição/*Institution*: Bournemouth University, Poole (UK)
Duração/*Duration*: 2009/02 – 2011/04

Peer-reviewed publications

Stevens, P. (2018). Fractal dimension links responses to a visual scene to its biodiversity. *Ecopsychology, 10*(2). doi:10.1089/eco.2017.0049

73/08 – "Learning and generalization on psi perceptual tasks"
Investigador/*Researcher:* Julia Mossbridge
Instituição/*Institution*: Visual Perception, Cognition, and Neuroscience Laboratory, Department of Psychology, Northwestern University, Evanston (USA)
Duração/*Duration*: 2009/01 – 2011/04

Peer-reviewed publications

Mossbridge, J. (2023). Precognition at the boundaries: An empirical review and theoretical discussion. *Journal of Anomalous Experience and Cognition, 3*(1), 5-41. doi:10.31156/jaex.24216

Mossbridge, J., Tressoldi, P., & Utts, J. (2012). Predictive physiological anticipation preceding seemingly unpredictable stimuli: A meta-analysis. *Frontiers in Psychology, 3*, 390, 1-18. doi:10.3389/fpsyg.2012.00390

77/08 – "How do you know what others feel? A psychophysiological study of social cognition and aging"
Investigadores/*Researchers*: Sarah MacPherson, Edyta Monika Hunter, Louise H. Phillips
Instituição/*Institution*: Human Cognitive Neuroscience Research Group, Department of Psychology, The University of Edinburgh (UK)
Duração/*Duration*: 2009/01 – 2011/02

Peer-reviewed publications

Hunter, E.M., Phillips, L.H., & MacPherson, S.E. (2010). Effects of age on cross-modal emotion perception. *Psychology & Aging, 25*(4), 779-787.

81/08 – "Subjective experiences associated with seizures"
Investigadores/*Researchers:* Bruce Greyson, Nathan B. Fountain, Donna K. Broshek, Lori L. Derr
Instituição/*Institution:* Division of Perceptual Studies, University of Virginia Health System (USA)
Duração/*Duration:* 2009/10 – 2012/10

Peer-reviewed publications

Greyson, B., Fountain, N., Derr, L., & Broshek, D. (2014). Mystical experiences associated with seizures. *Religion, Brain & Behavior*. doi:10.1080/2153599X.2014.895775

Greyson, B., Fountain, N., Derr, L., & Broshek, D. (2014). Out-of-body experiences associated with seizures. *Frontiers in Human Neuroscience, 8*, 65, 1-11. doi:10.3389/fnhum.2014.00065

83/08 – "Measurement and analysis of interindividual psychophysiological differences in experienced meditators"
Investigadores/*Researchers*: Thilo Hinterberger, Niko Kohls
Instituição/*Institution*: Institut für Umweltmedizin und Krankenhaushygiene, Universitätsklinikum Freiburg (Germany)
Duração/*Duration*: 2009/10 – 2011/03

Peer-reviewed publications

Hinterberger, T., Schöner, J., and Halsband, U. (2011). An Analysis of EEG State Transitions during Hypnosis Induction. *International Journal of Clinical & Experimental Hypnosis, 59*(2), 1-15. doi:10.1080/00207144.2011.546188.

Halsband, U. & Hinterberger, T. (2010). Veränderungen der Plastizität im Gehirn unter Hypnose. *Hypnose - Zeitschrift für Hypnose und Hypnotherapie (Hypnose-ZHH), 5*(1), 33-50.

86/08 – "How psychophysiological anticipatory information can be used to solve intuitive tasks with random events"
Investigadores/*Researchers:* Patrizio Tressoldi, Stefano Massaccesi, Massimiliano Martinelli
Instituição/*Institution:* Dipartimento di Psicologia Generale, Padova (Italy)
Duração/*Duration:* 2009/01 – 2011/03

Peer-reviewed publications

Tressoldi, P., Martinelli, M., Semenzato, L. & Cappato, S. (2011). Let your eyes predict: Prediction accuracy of pupillary responses to random alerting and neutral sounds. *SAGE*, 1-7. doi:10.1177/2158244011420451

Tressoldi P.E., Martinelli, M, Scartezzini, L., & Massaccesi, S. (2010). Further evidence of the possibility of exploiting anticipatory physiological signals to assist implicit intuition of random events. *Journal of Scientific Exploration*, 24, 411-424.

Tressoldi, P.E., Martinelli, M., Zaccaria, E., & Massaccesi, S. (2009). Implicit intuition: How heart rate can contribute to prediction of future events. *Journal of the Society for Psychical Research,* 73,1,1-16.

89/08 – "The neuropsychophysiological basis of empathy: The role of neuroendocrine, autonomic and central nervous system variables"
Investigadores/*Researchers*: Óscar Filipe Coelho Neves Gonçalves, Patrícia Silva, Ana Pinheiro
Instituição/*Institution*: Cipsi – Centro de Investigação em Psicologia, Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2009/01 – 2012/05

Peer-reviewed publications

Oliveira-Silva, P., Maia, L., Coutinho, J., Moreno, A. F., Penalba, L., Frank, B., Soares, J. M., Sampaio, A., & Gonçalves, Ó. F. (2023). Nodes of the default mode network implicated in the quality of empathic responses: A clinical perspective of the empathic response. *International Journal of Clinical and Health Psychology, 23*(1), 100319. doi:10.1016/j.ijchp.2022.100319

Oliveira-Silva, P., Maia, L., Coutinho, J., Frank, B., Soares, J. M., Sampaio, A., & Gonçalves, Ó. F. (2018). Empathy by default: Correlates in the brain at rest. *Psicothema, 30*(1), 97-103. doi:10.7334/psicothema2016.366

Leite, J., Carvalho, S., Galdo-Álvarez, S., Alves, J., Sampaio, A., & Gonçalves, O. (2012). Affective picture modulation: Valence, arousal, attention allocation and motivational significance. *International Journal of Psychophysiology, 83*(3), 375-381. doi:10.1016/j.ijpsycho.2011.12.005

Carvalho, S., Leite, J., Galdo-Álvarez, S., & Gonçalves, O. (2011). Psychophysiological correlates of sexually and non-sexually motivated attention to film clips in a workload task. *PLoS ONE, 6*(12), e29530. doi:10.1371/journal.pone.0029530

Oliveira-Silva, P., & Gonçalves, O. (2011). Responding empathically: A question of heart, not a question of skin. *Applied Psychophysiology and Biofeedback, 36*(3), 201-207. doi:10.1007/s10484-011-9161-2

94/08 – "Manipulação da emoção em ambientes de realidade virtual imersiva: Validação metodológica"
Investigadores/*Researchers*: Luís Manuel Coelho Monteiro, João Eduardo Marques Teixeira, Manuel Fernando Santos Barbosa, Jorge Silvério
Instituição/*Institution*: UnIPSa – Unidade de Investigação em Psicologia e Saúde: Laboratório de Psicofisiologia / Grupo de Psicobiologia / Instituto Superior de Ciências da Saúde – Norte, Paredes (Portugal)
Duração/*Duration*: 2009/01 – 2011/10

Peer-reviewed publications

Barbosa, F., Pasion, R., Silvério, J., Coelho, C. M., Marques-Teixeira, J., & Monteiro, L. C. (2019). Attention allocation to 2D and 3D emotion-inducing scenes: A neurophysiological study. *Neuroscience Letters, 698*, 165-168. doi:10.1016/j.neulet.2019.01.011

Dores, A. R., Barbosa, F., Carvalho, I. P., Almeida, I., Guerreiro. S., da Rocha, B. M., de Sousa, L., & Castro-Caldas, A. (2017). Study of behavioural and neural bases of visuo-spatial working memory with an fMRI paradigm based on an n-back task. *Journal of Neuropsychology, 11*(1), 122-134. doi:10.1111/jnp.12076

Dores, A., Barbosa, F., Monteiro, L., Reis, M., Coelho, C., Ribeiro, E., Leitão, M., ... Castro-Caldas, A. (2014). Amygdala Activation in Response to 2D and 3D Emotion-Inducing Stimuli. *PsychNology Journal, 12*(1-2), 29-43.

Dores, A. R., Almeida, I., Barbosa, F., Castelo-Branco, M., Monteiro, L., Reis, M., . . . Castro-Caldas, A. (2013). Effects of emotional valence and three-dimensionality of visual stimuli on brain activation: An fMRI study. *NeuroRehabilitation, 33*(4), 505-512. doi:10.3233/nre-130987

96/08 – "Brain activity during PK and facial recognition tasks – Research with near Infrared Spectroscopy"

Investigadores/*Researchers*: Mikio Yamamoto, Hideyuki Kokubo

Instituição/*Institution*: Bio-Emission Laboratory, International Research Institute (IRI), Chiba (Japan)

Duração/Duration: 2009/03 – 2011/01

Peer-reviewed publications

Kokubo, H., Takagi, O., Koyama, S., & Yamamoto, M. (2010). Spatial distribution of potential of controlled healing power – Exploratory measurement using cucumber as a bio-sensor. *Journal of International Society of Life Information Science, 28*(2), 236-249.

105/08 – "Testing the psi-mediated instrumental response theory using an implicit psi task"

Investigador/*Researcher*: Chris A. Roe

Instituição/*Institution*: Centre for the Study of Anomalous Psychological Processes, School of Social Science, The University of Northampton (UK)

Duração/*Duration*: 2009/01 – 2012/06

Peer-reviewed publications

Hitchman, G. A., Pfeuffer, C. U., Roe, C. A., & Sherwood, S. J. (2016). The effects of experimenter-participant interaction qualities in a goal-oriented nonintentional precognition task. *Journal of Parapsychology, 80*(1), 45-69.

Hitchman, G.A., Roe, C.A., & Sherwood, S.J. (2015). The relationship between lability and performance at intentional and non-intentional versions of an implicit PMIR-type psi task. *Journal of Parapsychology, 79*(1), 65-86.

Hitchman, G. A., Sherwood, S. J., & Roe, C. A. (2015). The relationship between latent inhibition and performance at a non-intentional precognition task. *Explore: The Journal of Science and Healing, 11*(2), 118-126. doi:10.1016/j.explore.2014.12.004

Hitchman, G. A., Roe, C. A., & Sherwood, S. (2012). A re-examination of non intentional precognition with openness to experience, creativity, psi beliefs and luck beliefs as predictors of success. *Journal of Parapsychology, 76*(1), 109-145.

118/08 – "An interpretative phenomenological analysis of anomalous experience at the end-of-life"

Investigadores/*Researchers*: Craig D. Murray, Joanne Murray

Instituição/*Institution*: Division of Health Research, Lancaster University (UK)

Duração/*Duration*: 2009/11 – 2015/09

Peer-reviewed publications

Murray, C., McDonald, C., & Atkin, H. (2015). The communication experiences of patients with palliative care needs: A systematic review and metasynthesis of qualitative findings. *Palliative and Supportive Care, 13*(02), 369-383. doi:10.1017/S1478951514000455

McDonald, C., Murray, C., & Atkin, H. (2014). Palliative-care professionals' experiences of unusual spiritual phenomena at the end of life. *Mental Health, Religion & Culture, 17*(5), 479-493. doi:10.1080/13674676.2013.849668

Keen, C., Murray, C., & Payne, S. (2013). A qualitative exploration of sensing the presence of the deceased following bereavement. *Mortality: Promoting the interdisciplinary study of death and dying, 18*(4), 339-357. doi:10.1080/13576275.2013.819320

Keen, C., Murray, C., & Payne, S. (2013). Sensing the presence of the deceased: A narrative review. *Mental Health, Religion & Culture, 16*(4), 384-402, doi:10.1080/13674676.2012.678987

122/08 – "Mindfulness and emotional factors contributing to intuitive decision-making in the medical settings"
Investigadores/*Researchers*: Henk Barendregt, Stephen Whitmarsh, Eva Lobach, Dick J. Bierman, Fabio Giommi
Instituição/*Institution*: Mind Brain Mindfulness research group (MBM) of the Institute of Computing and Information Sciences (ICIS), Nijmegen (The Netherlands)
Duração/*Duration*: 2009/10 – 2012/11

Peer-reviewed publications

Whitmarsh, S., Uddén, J., Barendregt, H., & Petersson, K. (2013). Mindfulness reduces habitual responding based on implicit knowledge: evidence from artificial grammar learning. *Consciousness and Cognition, 22*(3), 833-845. doi:10.1016/j.concog.2013.05.007

126/08 – "A experiência da dor: alterações funcionais induzidas por dor crónica nos circuitos neuronais de recompensa e aversão"
Investigadores/*Researchers*: Vasco Miguel Clara Lopes Galhardo, Deolinda Maria Valente Alves de Lima Teixeira, Clara Maria Pires Costa Bastos Monteiro, Hélder Cardoso Cruz, Maria Leonor Godinho, Daniela Seixas, Sónia Margarida Dourado
Instituição/*Institution*: IBMC – Instituto de Biologia Molecular e Celular, Porto (Portugal)
Duração/Duration: 2009/03 – 2013/10

Peer-reviewed publications

Monteiro, C., Cardoso-Cruz, H., Matos, M., Dourado, M., Lima, D., & Galhardo, V. (2016). Increased fronto-hippocampal connectivity in the Prrxl1 knockout mouse model of congenital hypoalgesia. *Pain, 157*(9), 2045-2056. doi:10.1097/j.pain.0000000000000611

Cardoso-Cruz, H., Dourado, M., Monteiro, M., Matos, M., & Galhardo, V. (2014). Activation of dopaminergic d2/d3 receptors modulates dorsoventral connectivity in the hippocampus and reverses the impairment of working memory after nerve injury. *The Journal of Neuroscience, 34*(17), 5861-5873. doi:10.1523/JNEUROSCI.0021-14.2014

Monteiro, C., Dourado, M., Matos, M., Duarte, I., Lamas, S., Galhardo, V., & Lima, D. (2014). Critical care and survival of fragile animals: The case of Prrxl1 knockout mice. *Applied Animal Behaviour Science, 158*, 86-94. doi:10.1016/j.applanim.2014.06.007

Cardoso-Cruz, H., Lima, D., & Galhardo, V. (2013). Impaired spatial memory performance in a rat model of neuropathic pain is associated with reduced hippocampus-prefrontal cortex connectivity. *Journal of Neuroscience, 33*(6), 2465-2480. doi:10.1523/JNEUROSCI.5197-12.2013

Cardoso-Cruz, H., Sousa, M., Vieira, J. B., Lima, D., & Galhardo, V. (2013). Prefrontal cortex and mediodorsal thalamus reduced connectivity is associated with spatial working memory impairment in rats with inflammatory pain. *Pain, 154*(11), 2397-2406. doi:10.1016/j.pain.2013.07.020

Oliveira-Maia, A.J., De Araújo, I.E., Monteiro, C., Workman, V., Galhardo, V., & Nicolelis, M. (2012). The Insular Cortex Controls Food Preferences Independently of Taste Receptor Signaling. *Frontiers in Systems Neuroscience, 6*, 5. doi:10.3389/fnsys.2012.00005

Pais-Vieira, M., Aguiar, P., Lima, D., Galhardo, V. (2012). Inflammatory pain disrupts the orbitofrontal neuronal activity and risk-assessment performance in a rodent decision-making task. *Pain, 153*(8), 1625-1635. doi:10.1016/j.pain.2012.04.011

Cardoso-Cruz, H., Lima, D., & Galhardo, V. (2011). Instability of spatial encoding by CA1 hippocampal place cells after peripheral nerve injury. *European Journal of Neuroscience, 33*(12), 2255-2264. doi:10.1111/j.1460-9568.2011.07721.x

Cardoso-Cruz, H., Sameshima, K., Lima, D., & Galhardo, V. (2011). Dynamics of Circadian Thalamocortical Flow of Information during a Peripheral Neuropathic Pain Condition. *Frontiers in Integrative Neuroscience, 5*, 43. doi:10.3389/fnint.2011.00043

De Visser, L., Homberg, J., Mitsogiannis, M., Zeeb, F., Rivalan, M., ..., Dellu-Hagedorn, F. (2011). Rodent Versions of the Iowa Gambling Task: Opportunities and Challenges for the Understanding of Decision-Making. *Frontiers in Neuroscience, 5*, 109. doi:10.3389/fnins.2011.00109

Monteiro, C., Rebelo, S., Galhardo, V., Reguenga, C., & Lima, D. (2011). Postnatal expression of the homeobox gene Prrxl1 (Drg11) is increased in inflammatory but not neuropathic pain. *European Journal of Pain, 15*(5), 477-481. doi:10.1016/j.ejpain.2010.10.007

Seixas, D., Galhardo, V., Guimarães, J., & Lima, D. (2011). Pain in portuguese patients with multiple sclerosis. *Frontiers in Neurology, 31*, 2. doi:10.3389/fneur.2011.00020

Ji, G., Sun, H., Fu, Y., Li, Z., Pais-Vieira, M., ..., Neugebauer, V. (2010). Cognitive impairment in pain through amygdala-driven prefrontal cortical deactivation. *Journal of Neuroscience, 30*(15), 5451-5464. doi:10.1523/JNEUROSCI.0225-10.2010

Silva, A., Cardoso-Cruz, H., Silva, F., Galhardo, V., & Antunes, L. (2010). Comparison of anesthetic depth indexes based on thalamocortical local field potentials in rats. *Anesthesiology, 112*(2), 355-363. doi:10.1097/ALN.0b013e3181ca3196

127/08 – "Prefrontal control of impulsive action"
Investigadores/*Researchers*: Masayoshi Murakami, Zachary F. Mainen
Instituição/*Institution*: Instituto Gulbenkian de Ciência, Oeiras (Portugal)
Duração/*Duration*: 2009/02 – 2011/03

Peer-reviewed publications

Ebbesen, C. L., Insanally, M. N., Kopec, C. D., Murakami, M., Saiki, A., & Erlich, J. C. (2018). More than just a "Motor": Recent surprises from the frontal cortex. *Journal of Neuroscience, 38*(44), 9402-9413. doi:10.1523/JNEUROSCI.1671-18.2018

Murakami, M., Shteingart, H., Loewenstein, Y., & Mainen, Z. F. (2017). Distinct sources of deterministic and stochastic components of action timing decisions in rodent frontal cortex. *Neuron, 94*(4), 908-919. doi:10.1016/j.neuron.2017.04.040

Murakami, M., Vicente, M. I., Costa, G., & Mainen, Z. (2014). Neural antecedents of self-initiated actions in secondary motor cortex. *Nature Neuroscience, 17*(11), 1574–1582. doi:10.1038/nn.3826

130/08 – "As experiências óptimas na vida diária e padrões fisiológicos associados: para um conhecimento da personalidade autotélica"
Investigadores/*Researchers*: Teresa Freire, Mário João Pereira Sequeira Santos, Marta Bassi, Gabriela Matias
Instituição/*Institution*: Centro de Investigação em Psicologia (CIPsi), Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2009/01 – 2011/09

Peer-reviewed publications

Matias, G., Nicolson, N., & Freire, T. (2011). Solitude and cortisol: Associations with state and trait affect in daily life. *Biological Psychology, 86*(3), 314-319. doi:10.1016/j.biopsycho.2010.12.01

Matias, G., & Freire, T. (2009). Experiência Óptima e Cortisol: A Psicofisiologia no Quotidiano. *Psychologica, 50*, 233-248

134/08 – "How does cognitive enrichment impact on neuronal networks and behavioral performance?"
Investigadores/*Researchers*: João José Fernandes Cardoso de Araújo Cerqueira, Igor L. M. Spínola, Irene Melo Carvalho, Pedro Ricardo Luís Morgado, Ricardo Jorge Moreira Taipa
Instituição/*Institution*: Life and Health Sciences Research Institute (ICVS), School of Health Sciences, University of Minho, Braga (Portugal)
Duração/*Duration*: 2010/05 – 2012/04

Peer-reviewed publications

Jacinto, L. R., Reis, J. S., Dias, N. S., Cerqueira, J. J., Correia, J. H., & Sousa, N. (2013). Stress affects theta activity in limbic networks and impairs novelty-induced exploration and familiarization. *Frontiers in Behavioral Neuroscience, 7*, 127. doi:10.3389/fnbeh.2013.00127

Lima, A., Sardinha V. M., Oliveira A. F., Reis M., Mota C., Silva, M., . . . Oliveira, J. F. (2014). Astrocyte pathology in the prefrontal cortex impairs the cognitive function of rats. *Molecular Psychiatry* (1), 1-8. doi:10.1038/mp.2013.182

Oliveira, J. F., Dias, N., Correia, M., Gama-Pereira, F., Sardinha, V. M., ...,, Sousa, N. (2013). Chronic stress disrupts neural coherence between cortico-limbic structures. *Frontiers in Neural Circuits, 7*, 10, 1-12. doi:10.3389/fncir.2013.00010

135/08 – "Electrophysiological correlates of learning new faces: A study with event-related potentials and skin-conductance responses"
Investigadores/*Researchers*: Isabel Maria Barbas dos Santos, Christopher Alexander Longmore, Jorge Manuel Costa Oliveira
Instituição/*Institution*: Laboratório de Psicologia Experimental e Aplicada (PsyLab) do Centro de Investigação em Educação e Ciências do Comportamento (CIECC), Universidade de Aveiro, Departamento de Ciências da Educação (Portugal)
Duração/*Duration*: 2009/05 – 2014/05

Peer-reviewed publications

Longmore, C. A., Santos, I. M., Silva, C. F., Hall, A., Faloyin, D., & Little, E. (2017). Image dependency in the recognition of newly learnt faces. *The Quarterly Journal of Experimental Psychology, 70*(5), 863-873. doi:10.1080/17470218.2016.1236825

136/08 – "Psychophysiological markers of externalizing personality in non-clinical and criminal populations"
Investigadores/*Researchers*: Isabel Maria Barbas dos Santos, Jorge Manuel Costa Oliveira, Paula Emanuel Rocha Martins Vagos, Nick Anthony DeFilippis
Instituição/*Institution*: Laboratório de Psicologia Experimental e Aplicada (PsyLab) do Centro de Investigação em Educação e Ciências do Comportamento (CIECC), Universidade de Aveiro, Departamento de Ciências da Educação (Portugal)
Duração/*Duration*: 2009/01 – 2014/01

Peer-reviewed publications

Teixeira, A. R., Santos, I. M., Lang, E. W., & Tome, A. M. (2019). Mining EEG scalp maps of independent components related to HCT tasks. *41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, 3888-3891. doi:10.1109/EMBC.2019.8857600

Santos, I. M., Teixeira, A. R., Tomé, A. M., Pereira, A. T., Rodrigues, P., ..., Silva, C. F. (2016). ERP correlates of error processing during performance on the Halstead Category Test. *International Journal of Psychophysiology, 106*, 97-105. doi:10.1016/j.ijpsycho.2016.06.010

Teixeira, A. R., Santos, I. M., & Tome, A. M. (2019). Identifying evoked potential response patterns using independent component analysis and unsupervised learning. *Biomedical Physics & Engineering Express, 5*(1), 015019. doi:10.1088/2057-1976/aaeeed

Teixeira, A. R., Tomé, A. M., & Santos, I. M. (2016). A new approach to eliminate high amplitude artifacts in EEG signals. *Sensors & Transducers, 204*(9), 11-20. http://www.sensorsportal.com/HTML/DIGEST/P_2855.htm

141/08 – "Neural and computational mechanisms of conscious and unconscious decisions under uncertainty"
Investigadores/*Researchers:* Edward Vul, Nancy Kanwisher, Joshua Tenenbaum
Instituição/*Institution:* Department of Psychology, University of California, San Diego, CA (USA)
Duração/*Duration*: 2010/10 – 2013/11

Peer-reviewed publications

Smith, K., Huber, D., & Vul, E. (2013). Multiply-constrained semantic search in the Remote Associates Test. *Cognition, 128*(1), 64-75. doi:10.1016/j.cognition.2013.03.001

Smith, K., & Vul, E. (2013). Sources of uncertainty in intuitive physics. *Topics in Cognitive Science, 5*(1), 185-99. doi:10.1111/tops.12009

Gershman, S. J., Vul, E., & Tenenbaum, J. (2012). Multistability and perceptual inference. *Neural Computation, 24*(1), 1-24. doi:10.1162/NECO_a_00226

Griffiths, T., Vul, E., & Sanborn, N. (2012). Bridging levels of analysis for probabilistic models of cognition. *Current Directions in Psychological Science, 21*(4), 263-268. doi:10.1177/0963721412447619

Vul, E., Lashkari, D., Hsieh, P.-J., Golland, P., Kanwisher, N. (2012). Data-driven functional clustering reveals dominance of face, place, and body selectivity in the ventral visual pathway. *Journal of Neurophysiology, 108*(8), 2306-2322. doi:10.1152/jn.00354.2011

Téglás, E., Vul, E., Girotto, V., Gonzalez, M., Tenenbaum, J., & Luca, L. (2011). Pure reasoning in 12-month-old infants as probabilistic inference. *Science, 332*(6033), 1054-1059. doi:10.1126/science.1196404.

142/08 – "Multi-centre study into the relationship of memories, consciousness and near-death experiences during cardiac arrest"
Investigadores/*Researchers*: Sam Parnia, Fritz Sterz, Roland Beisteiner, Harry Walmsley, Peter Doyle, Mr. Ken Spearpoint, Stephen Holgate, Susan Jones, Sue Hampshire, Celia Warlow, Russell Metcalf Smith, Leanne Smyth, Hayley Killingback, Salli Lovett, Paul Wills, Penny Sartori, Iain Mcleod, Jon Taylor
Instituição/*Institution*: University of Southampton Department of Medical Specialities, Southampton General Hospital (UK)
Duração/*Duration*: 2010/01 – 2017/01

Peer-reviewed publications

Reagan, E., Nguyen, R., Ravishankar, S., Chabra, V., Fuentes, B., Spiegel, R., & Parnia, S. (2018). Monitoring the relationship between changes in cerebral oxygenation and electroencephalography patterns during cardiopulmonary resuscitation: A feasibility study. *Critical Care Medicine, 46*(5), 757-763. doi:10.1097/CCM.0000000000003014

Parnia, S., Spearpoint, S., de Vos, G., Fenwick, P., Goldberg, D., Yang, J., Zhu, J., . . . Schoenfeld, E. (2014). AWARE - AWAreness during Resuscitation: A prospective study. *Resuscitation*, *85*(2), 1799-1805. doi:10.1016/j.resuscitation.2014.09.004

146/08 – "Life-span changes in electrophysiological patterns associated with temporal discrimination"
Investigadores/*Researchers:* Patrizia Bisiacchi, Giovanni Sparacino, Vincenza Tarantino, Sami Schiff
Instituição/*Institution:* Department of General Psychology, University of Padua (Italy)
Duração/*Duration:* 2009/01 – 2012/02

Peer-reviewed publications

Schiff, S., D'Avanzo, C., Cona, G., Goljahani, A., Montagnese, S., Volpato, C., . . . Bisiacchi, P. (2014). Insight into the relationship between brain/behavioral speed and variability in patients with minimal hepatic encephalopathy. *Clinical Neurophysiology, 125*(2), 287-97. doi:10.1016/j.clinph.2013.08.004

Mento, G., Tarantino, V., Sarlo, M., & Bisiacchi, P. (2013). Automatic temporal expectancy: a high-density event-related potential study. *PLoS One, 8*(5): e62896. doi:10.1371/journal.pone.0062896

Cona, G., Arcara, G., Tarantino, V., & Bisiacchi, P. (2012). Electrophysiological correlates of strategic monitoring in event-based and time-based prospective memory. *PLoS ONE, 7*(2), e31659, doi:10.1371/journal.pone.0031659

Cona, G., Arcara, G., Tarantino, V., & Bisiacchi, P. (2012). Age-related differences in the neural correlates of remembering time-based intentions. *Neuropsychologia, 50*(11), 2692-2704. doi:10.1016/j.neuropsychologia.2012.07.033

Goljahani, A., D'avanzo, C., Schiff, S., Amodio, P., Bisiacchi, P., & Sparacino, G. (2012). A novel method for the determination of the EEG individual alpha frequency. *NeuroImage, 60*(1), 774-786. doi:10.1016/j.neuroimage.2011.12.001

Chiarelli, V., El Yagoubi, R., Mondini, S., Bisiacchi, P., & Semenza, C. (2011). The Syntactic and Semantic Processing of Mass and Count Nouns: An ERP Study. *PLOS ONE, 6*(10), 1-15. doi:10.1371/journal.pone.0025885

D'Avanzo, C., Schiff, S., Amodio, P., Sparacino, G. (2011). A Bayesian method to estimate single-trial event-related potentials with application to the study of the P300 variability. *Journal of Neuroscience Methods, 198*(1), 114-124.

Tarantino, V., Ehlis, A-C., Baehne, C., Boreatti-Huemmer, A., Jacob, C., Bisiacchi, P., & Fallgatter, A. J. (2010). The time course of temporal discrimination: An ERP study. *Clinical Neurophysiology, 121*(1), 43-52. doi:10.1016/j.clinph.2009.09.014

D'Avanzo C., Tarantino V., Bisiacchi P., & Sparacino G. (2009). A Wavelet methodology for EEG time frequency analysis in a time discrimination task. *International Journal of Bioelectromagnetism, 11*(4), 185-188.

148/08 – "Design and testing of a wearable device for neurofeedback of physiological correlates to states of consciousness"
Investigador/*Researcher*: Thilo Hinterberger
Instituição/*Institution*: Institut für Umweltmedizin und Krankenhaushygiene, Universitätsklinikum Freiburg (Germany)
Duração/*Duration*: 2009/04 – 2011/03

Peer-reviewed publications

Hinterberger, T., (2011). The sensorium: A multimodal neurofeedback environment. *Advances in Human-Computer Interaction*, Article ID 724204, 1-10. doi:10.1155/2011/724204

149/08 – "A closer look at meditation: Challenging the attentional network on different types of meditative procedures"
Investigadores/*Researchers*: Stefan Schmidt, Harald Walach, Thilo Hinterberger, Matthias Braeunig, Dr. Jose Raul Naranjo, Kathrin Simshäuser
Instituição/*Institution*: Mindfulness, Meditation and Neuroscience Research, Institute of Environmental Health Sciences, University Medical Center Freiburg (Germany)
Duração/*Duration*: 2010/04 – 2011/09

Peer-reviewed publications

Jo, H. -G, Malinowski, P., & Schmidt, S. (2017). Frontal theta dynamics during response conflict in long-term mindfulness meditators. *Frontiers in Human Neuroscience, 11*: 299. doi:10.3389/fnhum.2017.00299

Jo, H. -G., Schmidt, S., Inacker, E., Markowiak, M., & Hinterberger, T. (2016). Meditation and attention: A controlled study on long-termmeditators in behavioral performance and event-related potentials of attentional control. *International Journal of Psychophysiology, 99*, 33-39. doi:10.1016/j.ijpsycho.2015.11.016

Hinterberger, T., Kamei, T., & Walach, H. (2011). Psychophysiological classification and staging of mental states during meditative practice. *Biomed Tech (Berl), 56*(6), 341-50. doi:10.1515/BMT.2011.021

159/08 – "Developing a "Recipe" for success in ESP experimental research (Phase III): Integrating psi-conducive practices"
Investigador/*Researcher*: Jose M. Perez Navarro
Instituição/*Institution*: University of Greenwich, Eltham, London (UK)
Duração/*Duration*: 2009/01 – 2011/01

Peer-reviewed publications

Pérez Navarro, J. M., & Guerra, X. M. (2019). Personality, cognition, and morbidity in the understanding of paranormal belief. *PsyCh Journal*. doi:10.1002/pchj.295

Pérez Navarro, J. M. (2012). An empirical evaluation of a set of recommendations for extrasensory perception experimental research. *Europe's Journal of Psychology, 8*(1), 32-48. doi:10.5964/ejop.v8i1.297

162/08 – "Meditation at the core: Neuroscientific comparison of attentional resource allocation in different meditation practices"
Investigadores/*Researchers*: Arnaud Delorme, Claire Braboszcz, Romain Granchamps, Rael Cahn, Emmauel Fernandez
Instituição/*Institution*: CERCO, Centre de Recherche Cerveau et Cognition, Toulouse (France)
Duração/*Duration*: 2009/02 – 2012/07

Peer-reviewed publications

Brandmeyer, T., & Delorme, A. (2020). Meditation and the wandering mind: A theoretical framework of underlying neurocognitive mechanisms. *Perspectives on Psychological Science*, 1-28. doi:10.1177/1745691620917340

Brandmeyer, T., & Delorme, A. (2020). Closed-loop frontal midline theta neurofeedback: A novel approach for training focused-attention meditation. *Frontiers in Human Neuroscience, 14*: 246. doi:10.3389/fnhum.2020.00246

Brandmeyer, T., & Delorme, A. (2018). Reduced mind wandering in experienced meditators and associated EEG correlates. *Experimental Brain Research*, 236, 2519-2528. doi:10.1007/s00221-016-4811-5

Braboszcz, C., Cahn, B. R., Levy, J., Fernandez, M., & Delorme, A. (2017). Increased gamma brainwave amplitude compared to control in three different meditation traditions. *PLoS One, 12*(1): e0170647. doi:10.1371/journal.pone.0170647

167/08 – "Testing the ontological status of the experience of meditation-induced timeless states"
Investigadores/*Researchers*: Cassandra Vieten, Dean Radin, Marilyn Schlitz
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2009/02 – 2011/06

Peer-reviewed publications

Radin, D.I., Vieten, C., Michel, L. & DeLorme, A. (2011). Electrocortical Activity Prior to Unpredictable Stimuli in Meditators and Nonmeditators. *Explore: The Journal of Science and Healing, 7*(5), 286-299.

169/08 – "When rejection hurts: Probing the neural basis of childhood social exclusion with a dense-array EEG"
Investigadores/*Researchers*: Michael J. Crowley, Linda C. Mayes, Christopher A. Bailey
Instituição/*Institution*: Yale Child Study Center, New Haven (USA)
Duração/*Duration*: 2009/02 – 2011/06

Peer-reviewed publications

Baddam, S., Laws, H., Crawford, J. L., Wu, J., Bolling, D., Mayes, L., & Crowley, M. (2016). What they bring: baseline psychological distress differentially predicts neural response in social exclusion by children's friends and strangers in best friend dyads. *Social Cognitive and Affective Neuroscience, 11*(11), 1729-1740. doi:10.1093/scan/nsw083

Van Noordt, S., White, L., Wu, J., Mayes, L., & Crowley, M. (2015). Social exclusion modulates event-related frontal theta and tracks ostracism distress in children. *NeuroImage*, 118, 248-255. doi:10.1016/j.neuroimage.2015.05.085

Sreekrishnan, A., Herrera, T. A., Wu, J., Borelli, J. L., White, L., Rutherford, H., Mayes, L., & Crowley, M. (2014). Kin rejection: Social signals, neural response and perceived distress during social exclusion. *Developmental Science, 17*(6), 1029-1041. doi:10.1111/desc.12191

White, L., Wu, J., Borelli, J., Mayes, L., & Crowley, L. (2013). Play it again: neural responses to reunion with excluders predicted by attachment patterns. *Developmental Science*, *16*(6), 850–863. doi:10.1111/desc.12035

Chamberlain, P. D., Rodgers, J., Crowley, M. J., White, S. E., Freeston, M. H., & South, M. (2013). A potentiated startle study of uncertainty and contextual anxiety in adolescents diagnosed with autism spectrum disorder. *Molecular Autism, 4*: 31. doi:10.1186/2040-2392-4-31

White, L., Wu, J., Borelli, J., Rutherford, H., David, D., … Crowley, M. (2012). Attachment dismissal predicts frontal slow-wave ERPs during rejection by unfamiliar peers. *Emotion, 12*(4), 690-700. doi:10.1037/a0026750

Bolling, D., Pitskel, N., Deen, B., Crowley, M., Mayes, L., Pelphrey, K. (2011). Development of neural systems for processing social exclusion from childhood to adolescence. *Developmental Science, 14*(6), 1431-1444. DOI:10.1111/j.1467-7687.2011.01087.x

Bolling, D., Pitskel, N., Deen, B., Crowley, M., Mayes, L., Pelphrey, K. (2011). Dissociable brain mechanisms for processing social exclusion and rule violation. *Neuroimage. 54*(3), 2462-2471. doi:10.1016/j.neuroimage.2010.10.049

Bolling, D., Pitskel, N., Deen, B., Crowley, M., McPartland, J., … Pelphrey, K. (2011). Enhanced neural responses to rule violation in children with autism: A comparison to social exclusion, *Developmental Cognitive Neuroscience, 1*(3), 280-294. doi:10.1016/j.dcn.2011.02.002

McPartland, J., Crowley, M., Perszyk, D., Naples, A., Mukerji, C.,…Mayes, L. (2011). Temporal dynamics reveal atypical brain response to social exclusion in autism. *Developmental Cognitive Neuroscience, 1*(3), 271-279. doi:10.1016/j.dcn.2011.02.003

Crowley, M., Molfese, P., & Mayes, L. (2010). Social exclusion in middle childhood: rejection events, slow-wave neural activity, and ostracism distress. *Social Neuroscience, 5*(5-6), 483-495. doi:10.1080/17470919.2010.500169

Crowley, M., Wu, J., McCarty, E., David, D., Bailey, C., Mayes, L. (2009). Exclusion and micro-rejection: event-related potential response predicts mitigated distress. *Neuroreport, 20*(17), 1518-1522. doi:10.1097/WNR.0b013e328330377a

176/08 – "How do we choose a partner? Neural circuits involved in inbreeding avoidance and mate selection"
Investigadores/*Researchers:* Susana Sá Couto Quelhas Lima, Léa Zinck
Instituição/*Institution:* Instituto Gulbenkian de Ciência, Oeiras (Portugal)
Duração/*Duration:* 2009/02 – 2011/03

Peer-reviewed publications

Moreira, L., Zinck, L., Nomoto, K., & Lima, S. Q. (2020). Sexual imprinting overrides order effects during sampling of prospective mates. *Current Biology, 30*, R237–R262. doi:10.1016/j.cub.2020.02.033

Zinck, L., & Lima S. (2013). Mate choice in Mus musculus is relative and dependent on the estrous state. *PLoS ONE 8*(6): e66064. doi:10.1371/journal.pone.0066064

180/08 – "Emotional influences on psychophysiological indices of focused attention and response anticipation in social anxiety: A combined neuroimaging and electroencephalographic study"
Investigadores/*Researchers*: Yoko Nagai, Hugo Critchley, Marcus Gray
Instituição/*Institution*: Clinical Imaging Sciences Centre, Brighton and Sussex Medical School, University of Sussex (UK)
Duração/*Duration*: 2009/10 – 2014/07

Peer-reviewed publications

Nagai, Y., Jones, C. I., & Sen, A. (2019). Galvanic skin response (GSR)/Electrodermal/skin conductance biofeedback on epilepsy: A systematic review and meta-analysis. *Frontiers in Neurology, 10*: 377. doi:10.3389/fneur.2019.00377

Nagai, Y. (2015). Modulation of autonomic activity in neurological conditions: Epilepsy and Tourette Syndrome. *Frontiers in Neuroscience,* 9: 278. doi:10.3389/fnins.2015.00278

189/08 – "Exploration of the effect of local geomagnetic activity and tibetan buddhist meditation on psychic awareness"
Investigadores/*Researchers*: Serena M. Roney-Dougal, Adrian Ryan
Instituição/*Institution*: Psi Research Centre, Glastonbury, Somerset (UK)
Duração/Duration: 2009/10 – 2013/07

Peer-reviewed publications

Roney-Dougal, S. M., Ryan, A., & Luke, D. (2014). The relationship between local geomagnetic activity and psychic awareness. *Journal of Parapsychology, 78*(2), 235–254.

Roney-Dougal, S.M., Ryan, A., & Luke, D. (2013). The relationship between local geomagnetic activity, meditation and psi. Part 1: Literature review and theoretical model. *Journal of the Society for Psychical Research, 77*.2, 72-88.

192/08 – "Brain dynamics underlying motor awareness in language"
Investigadores/*Researchers*: Francesca Carota, Angela Sirigu, Claude Delpuech, Andres Posada, Sylvain Harquel
Instituição/*Institution*: Centre de Neuroscience Cognitive, Bron (France)
Duração/*Duration*: 2009/10 – 2014/09

Peer-reviewed publications

Carota, F., Desmurget, M., & Sirigu, A. (2010). Forward modeling mediates motor awareness. In Sinnott-Armstrong, W., & Nadel, L. (Eds.), *Conscious will and responsibility: A tribute to Benjamin Libet* (pp. 97-108). New York: Oxford University Press. doi:10.1093/acprof:oso/9780195381641.003.0010

Carota, F., Posada, A., Harquel, S., Delpuech, C., Bertrand, O., & Sirigu, A. (2010). Neural dynamics of the intention to speak. *Cerebral Cortex, 20*(8), 1891-1897. doi:10.1093/cercor/bhp255.

201/08 – "Posterior parietal cortex involvement in skill learning"
Investigadores/*Researchers*: Sara Cavaco, Steven Wayne Anderson, Pedro Soares Pinto, Ricardo Taipa
Instituição/*Institution*: Laboratory of Neurobiology of Human Behavior of Hospital de Santo António, Porto (Portugal) e Division of Behavioral Neurology and College of Medicine of the University of Iowa, Carver College of Medicine (USA)
Duração/*Duration*: 2010/02 – 2014/07

Peer-reviewed publications

Cavaco, S., Anderson, S., Chen, K.-H., Teixeira-Pinto, A., & Damásio, H. (2015). Parietal damage impairs learning of a visuo motor tracking skill. *Neuropsychologia, 79*, Part A, 106–112. doi:10.1016/j.neuropsychologia.2015.10.038

Cavaco, S., Gonçalves, A., Pinto, C., Almeida, E., Gomes, F., Moreira, I., Fernandes, J., & Texeira-Pinto, A. (2015). Auditory verbal learning test in a large nonclinical Portuguese population. *Applied Neuropsychology: Adult*. doi:10.1080/23279095.2014.927767

Cavaco, S. (2014). Neurobiology of nondeclarative memory: A selected review on motor. *Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders, 24*(2), 43-49. doi:10.1044/nnsld24.2.43

Publicações revistas por pares – Apoios à Investigação Científica 2010/11
Peer-reviewed publications – Grants for Scientific Research 2010/11

01/10 – "Neurocognitive correlates of the out-of-body experience and kindred hallucinations of embodiment and the 'Self'"
Investigador/*Researcher*: Jason John Braithwaite
Instituição/*Institution*: Selective Attention and Awareness Laboratory (SAAL) Behavioural Brain Sciences centre, School of Psychology, University of Birmingham (UK)
Duração/*Duration*: 2011/03 – 2013/05

Peer-reviewed publications

Braithwaite, J. J., Broglia, E., & Watson, D.G (2014). Autonomic emotional responses to the induction of the rubber-hand illusion in those that report anomalous bodily experiences: Evidence for specific psychophysiological components associated with illusory body representations. *Journal of Experimental Psychology: Human Perception & Performance, 40*(3), 1131-1145. doi:10.1037/a0036077

Braithwaite, J. J., Broglia, E., Bagshaw, A. P., & Wilkins, A. J. (2013). Evidence for elevated cortical hyperexcitability and its association with out-of-body experiences in the non-clinical population: new findings from a pattern-glare task. *Cortex, 49*(3), 793-805. doi:10.1016/j.cortex.2011.11.013

Braithwaite, J. J., James, K., Dewe, H., Medford, N., Takahashi, C., & Kessler, K. (2013). Fractionating the unitary notion of dissociation: disembodied but not embodied helan are associated with exocentric perspective-taking. *Frontiers in Human Neuroscience, 7*: 719, 1-12. doi:10.3389/fnhum.2013.00719

08/10 – "Hallucination experience and Psi (Phase II): New psychological, psychopathological, psychophysiological and transcultural approach"
Investigadores/*Researchers*: Alejandro Enrique Parra, Romina Ileana Mielgo, Irma Juana Caputo
Instituição/*Institution*: Universidad Abierta Interamericana, Facultad de Psicología, Buenos Aires (Argentina)
Duração/*Duration*: 2011/03 – 2013/01

Peer-reviewed publications

Parra, A. (2013). Cognitive and emotional empathy in relation to five paranormal/anomalous experiences. *North American Journal of Psychology, 15*(3), 405-412.

Parra, A. & Corbetta, J. (2013). Experiencias paranormales y su relación con el sentido de la vida. *Liberabit, 19*(2), 33-44.

Parra, A. (2012). Experiencias perceptuales inusuales, experiencias anómalo/paranormales y propensión a la esquizotipia. *Universitas Psychologica, 11*(1), 269-278.

Parra, A. (2012). Dissociation, absorption, fantasy proneness and sensation-seeking in psychic claimants. *Journal of the Society for Psychical Research, 76.4*, (909), 193-203.

Parra (2012). Relación entre las experiencias paranormales y esquizotipia positiva/negativa. *Acta Psiquiátrica y Psicológica de América Latina, 58*(4), 246-255.

Parra, A. (2011). Encuesta on-line de experiencias anómalo/paranormales y su impacto emocional: Relación con género, edad, y otras variables. *Persona, 14*, 211-228.

Parra, A. (2010). Indicadores de propensión a la esquizotipia entre individuos creyentes en lo paranormal: examinando la intensidad de la imaginería, esquizotipia y experiencias alucinatorias. *Psicologia: Teoria e Prática, 12*(3) 78-94.

21/10 – "Effects of intentionally enhanced tea on mood"
Investigadores/*Researchers*: Yung-Jong Shiah, Dean Radin
Instituição/*Institution*: Psychology Department of Kaohsuing Medical University, Kaohsuing, (Taiwan)
Duração/*Duration*: 2011/04 – 2013/01

Peer-reviewed publications

Shiah, Y. -J., & Radin, D. (2013). Metaphysics of the tea ceremony: A randomized trial investigating the roles of intention and belief on mood while drinking tea. *EXPLORE: The Journal of Science & Healing, 9*(6), 355-360. doi:10.1016/j.explore.2013.08.005

27/10 – "From trance to transcendence during meditation"
Investigadores/*Researchers*: Joseph Glicksohn, Abraham Goldstein, Aviva Berkovich Ohana
Instituição/*Institution*: The Leslie and Susan Golda (Goldschmied) Multidisciplinary Brain Research Center, Bar-Ilan University, Ramat Gan (Israel)
Duração/*Duration*: 2011/06 – 2013/06

Peer-reviewed publications

Glicksohn, J., & Berkovich-Ohana, A. (2019). When meditators avoid counting during time production things get interesting. *PsyCh Journal, 8*, 17-27. doi:10.1002/pchj.250

Berkovich-Ohana, A. (2017). A case study of a meditation-induced altered state: increased overall gamma synchronization. *Phenomenology and the Cognitive Sciences, 16*(1), 91–106. doi:10.1007/s11097-015-9435-x

Berkovich-Ohana, A., & Glicksohn, J. (2017). Meditation, absorption, transcendent experience and affect: Tying it all together by the Consciousness State Space (CSS) model. *Mindfulness, 8*, 68-77. doi:10.1007/s12671-015-0481-9

Dor-Ziderman, Y., Ataria, Y., Fulder, S., Goldstein, A., & Berkovich-Ohana, A. (2016). Self-specific processing in the meditating brain: a MEG neurophenomenology study. *Neuroscience of consciousness, 2016*(1), niw019. doi:10.1093/nc/niw019

Berkovich-Ohana, A., & Glicksohn, J. (2014). The consciousness state space (CSS) - a unifying model for consciousness and self. *Frontiers in Psychology, 5*: 341. doi:10.3389/fpsyg.2014.00341

Ataria, Y., Dor-Ziderman, Y., & Berkovich-Ohana, A. (2015). How does it feel to lack a sense of boundaries? A case study of a long-term mindfulness meditator. *Consciousness and Cognition, 37*, 133-147. doi:10.1016/j.concog.2015.09.002

Berkovich-Ohana, A., Dor-Ziderman, Y., Glicksohn, J., & Goldstein, A. (2013). Alterations in the sense of time, space, and body in the mindfulness-trained brain: a neurophenomenologically-guided MEG study. *Frontiers in Psychology, 4*: 912. doi:10.3389/fpsyg.2013.00912

Berkovich-Ohana, A., Glicksohn, J., & Goldstein, A. (2013). Studying the default mode and its mindfulness-induced changes using EEG functional connectivity. *Social Cognitive and Affective Neuroscience*. doi:10.1093/scan/nst153

Dor-Ziderman, Y., Berkovich-Ohana, A., Glicksohn, J., & Goldstein A (2013). Mindfulness-induced selflessness: a MEG neurophenomenological study. *Frontiers in Human Neuroscience, 7*: 582. doi:10.3389/fnhum.2013.00582

Berkovich-Ohana, A., Glicksohn, J., & Goldstein, A. (2012). Mindfulness-induced changes in gamma band activity - implications for the default mode network, self-reference and attention. *Clinical Neurophysiology, 123*(4), 700-710. doi:10.1016/j.clinph.2011.07.048

Glicksohn, J., & Berkovich-Ohana, A. (2012). Absorption, immersion, and consciousness. In J. Gackenbach (Ed.), *Video game play and consciousness* (pp. 83-99). New York, NY: Nova Science Publishers, Inc.

Glicksohn, J., & Berkovich-Ohana, A. (2011). From trance to transcendence: A neurocognitive approach. *The Journal of Mind and Behavior, 32*, 49-62.

32/10 – "Facilitating healthy ageing: Investigating neuroprotective effects of mindfulness"
Investigadores/*Researchers*: Peter Malinowski, Thomas Gruber, Cathy Montgomery
Instituição/*Institution*: Liverpool John Moores University, School of Natural Sciences and Psychology Byrom Street, Liverpool (UK)
Duração/*Duration*: 2011/04 – 2013/05

Peer-reviewed publications

Malinowski, P., Moore, A. W., Mead, B. R., & Gruber, T. (2017). Mindful Aging: The effects of regular brief mindfulness practice on electrophysiological markers of cognitive and affective processing in older adults. *Mindfulness, 8*(1), 78-94. doi:10.1007/s12671-015-0482-8

37/10 – "Psychophysiological mechanisms of hierarchical novelty detection in the human auditory brain"
Investigadores/*Researchers*: Carles Escera, Sabine Grimm, Marc Recasens
Instituição/*Institution*: Research Institute for Brain, Cognition and Behavior (IR3C) and Department of Psychiatry and Clinical Psychobiology, Faculty of Psychology, University of Barcelona (Spain)
Duração/*Duration*: 2011/04 – 2013/03

Peer-reviewed publications

Grimm, S., & Escera, C. (2012). Auditory deviance detection revisited: Evidence for a hierarchical novelty system. International *Journal of Psychophysiology, 85*(1), 88-92. doi:10.1016/j.ijpsycho.2011.05.012

Grimm, S., Recasens, M., Althen, H., & Escera, C. (2012). Ultrafast tracking of sound location changes as revealed by human auditory evoked potentials. *Biological Psychology, 89*(1), 232-239. doi:10.1016/j.biopsycho.2011.10.014

Althen, H., Grimm, S., & Escera, C. (2011). Fast detection of unexpected sound intensity decrements as revealed by human evoked potentials. *PLoS ONE, 6*(12): e28522. doi:10.1371/journal.pone.0028522

39/10 – "Paranormal belief, evaluation of paranormal experiences, schizoptypy and reality testing"
Investigadores/*Researchers*: Neil Andrew Dagnall, Gary Munley, Andrew Parker
Instituição/*Institution*: The Manchester Metropolitan University, Research Institute of Health and Social Change, Faculty of Health, Psychology and Social Care, Dep. of Psychology, Manchester (UK)
Duração/*Duration*: 2011/09 – 2013/11

Peer-reviewed publications

Dagnall, N., Denovan, A., Drinkwater, K., Parker, A., Clough, P. (2016). Toward a better understanding of the relationship between belief in the paranormal and statistical bias: The potential role of schizotypy. *Frontiers in Psychology*, 7: 1045. doi:10.3389/fpsyg.2016.01045

Dagnall, N., Drinkwater, K., Denovan, A., & Parker, A. (2016). Misperception of chance, conjunction, framing effects and belief in the paranormal: A further evaluation. *Applied Cognitive Psychology, 30*(3), 409-419. doi:10.1002/acp.3217

Dagnall, N., Drinkwater, K., Denovan, A., & Parker, A. (2015). Suggestion, belief in the paranormal, proneness to reality testing deficits and perception of an allegedly haunted building. *Journal of Parapsycholoy, 79*(1), 87–104.

Dagnall, N., Drinkwater, K., Parker, A., Denovan, A., & Parton, M. (2015). Conspiracy theory and cognitive style: a worldview. *Frontiers in Psychology, 6*:206. doi:10.3389/fpsyg.2015.00206

Dagnall, N., Drinkwater, K., Parker, A., & Rowley, K. (2014). Misperception of Chance, Conjunction, Belief in the Paranormal and Reality Testing: A Reappraisal. *Applied Cognitive Psychology, 28*(5), 711–719. doi:10.1002/acp.3057

42/10 – "Conscious induction of Theta EEG patterns by a healing procedure"
Investigadores/*Researchers*: Stefan Schmidt, Thilo Hinterberger
Instituição/*Institution*: Center for Mindfulness, Meditation and Neuroscience Research, Institute of Environmental Health Sciences, University Medical Center Freiburg (Germany)
Duração/*Duration*: 2011/11 – 2013/03

Peer-reviewed publications

Hinterberger, T., von Haugwitz, A., & Schmidt, S. (2016). Does a healing procedure referring to theta rhythms also generate theta rhythms in the brain? *The Journal of Alternative and Complementary Medicine, 22*(1), 66-74. doi:10.1089/acm.2014.0394

45/10 – "Shamanic-like journeying and psi-hitting: Searching for the psi-conducive component(s) of a novel experimental protocol"
Investigador/Researcher: Adam Rock
Instituição/Institution: Phoenix Institute of Victoria, Prahran (Australia)
Duração/Duration: 2011/04 – 2012/12

Peer-reviewed publications

Rock, A., Storm, L., Harris, K., & Friedman, H. (2013). Shamanic-like journeying and psi-signal detection: I. In search of the psi-conducive components of a novel experimental protocol. *Journal of Parapsychology, 76*(2), 321-347.

Rock, A., & Storm, L. (2012). Shamanism, imagery cultivation, and psi-signal detection: A theoretical model, experimental protocol, and preliminary data. *International Journal of Transpersonal Studies, 31*(2), 91-102.

50/10 – "Trance: Cortical representations"
Investigadores/*Researchers*: Alessandra Ghinato Mainieri, Julio Fernando Prieto Peres, Alexander Moreira de Almeida, Ute Habel, Nils Kohn
Instituição/*Institution*: Department of Psychiatry and Psychotherapy, RWTH Aachen University, Aachen (Germany)
Duração/*Duration*: 2011/03 – 2013/05

Peer-reviewed publications

Mainieri, A., Peres, J. F., Moreira-Almeida, A., Mathiak, K., Habel, U., & Kohn, N. (2017). Neural correlates of psychotic-like experiences during spiritual-trance state. *Psychiatry Research: Neuroimaging*, *266*, 101-107. doi:10.1016/j.pscychresns.2017.06.006

55/10 – "The developmental and psychophysiological emergence of dreams and nightmares: state-dependent and state-independent fronto-cortical disconnectivity"
Investigadores/*Researchers*: Róbert Bódizs, Peter Daniel Simor, Piroska Sándor, Szilvia Csóka, Klára Horváth
Instituição/*Institution*: Institute of Behavioural Sciences, Semmelweis University, Budapest (Hungary)
Duração/*Duration*: 2011/03 – 2014/02

Peer-reviewed publications

Bódizs, R., Szalárdy, O., Horváth, C., Ujma, P. P., Gombos, F., Simor, P., ... Dresler, M. (2021). A set of composite, non-redundant EEG measures of NREM sleep based on the power law scaling of the Fourier spectrum. *Scientific Reports, 11*(1):2041. doi:10.1038/s41598-021-81230-7

Sándor, P., Szakadát, S., & Bódizs, R. (2016). Emotion regulation as reflected in children's dreams – a developmental test of the neurocognitive dream theory. *Mentálhigiéné és Pszichoszomatika, 17*(2), 167-190. doi:10.1556/0406.17.2016.2.5

Sándor, P., Szakadát, S., & Bódizs, R. (2016). The development of cognitive and emotional processing as reflected in children's dreams: Active self in an eventful dream signals better neuropsychological skills. *Dreaming, 26*(1), 58-78. doi:10.1037/drm0000022

Ujma, P. P., Sándor, P., Gombos, F., & Bódizs, R. (2016). Sleep spindles and intelligence in early childhood – Developmental and trait-dependent aspects. *Developmental Psychology, 52*(12), 2118-2129. doi:10.1037/dev0000233

Sándor, P., Szakadát, S., Kertész, K., Bódizs, R. (2015). Content analysis of 4 to 8 year-old children's dream reports. *Frontiers in Psychology, 6*: 534, doi:10.3389/fpsyg.2015.00534

Sándor, P., Szakadát, S., & Bódizs, R. (2014). Ontogeny of dreaming: A review of empirical studies. *Sleep Medicine Reviews, 18*(5), 435-449. doi:10.1016/j.smrv.2014.02.001

Kis, A., Szakadát, S., Simor, P., Gombos, F., Horváth, K., & Bódizs, R. (2013). Objective and subjective components of the first-night effect in young nightmare sufferers and healthy participants. *Behavioral Sleep Medicine, 12*, 1-12. doi:10.1080/15402002.2013.829062

Simor, P., Bódizs, R., Horváth, K., & Ferri, R. (2013). Disturbed dreaming and the instability of sleep: Altered nonrapid eye movement sleep microstructure in individuals with frequent nightmares as revealed by the cyclic alternating pattern. *Sleep, 36*(3), 413-419. doi:10.5665/sleep.2462

Simor, P., Horváth, K., Ujma, P., Gombos, F., & Bódizs, R. (2013). Fluctuations between sleep and wakefulness: Wake-like features indicated by increased EEG alpha power during different sleep stages in nightmare disorder. *Biological Psychology, 94*(3), 592-600. doi:10.1016/j.biopsycho.2013.05.022

Simor, P., Horváth, K., Gombos, F., Takács, K., & Bódizs, R. (2012). Disturbed dreaming and sleep quality: Altered sleep architecture in subjects with frequent nightmares. *European Archives of Psychiatry and Clinical Neuroscience, 262*(8), 687-696. doi:10.1007/s00406-012-0318-7

Simor, P., Pajkossy, P., Horváth, K., & Bódizs, R. (2012). Impaired executive functions in subjects with frequent nightmares as reflected by performance in different neuropsychological tasks. *Brain and Cognition, 78*(3), 274-283. doi:10.1016/j.bandc.2012.01.006

57/10 – "Psychophysiological, behavioural and experiential responses to evoked positive and negative emotion in people with eating disorders"

Investigadores/*Researchers*: Kate Tchanturia, Helen Davies

Instituição/*Institution*: King's College London, Institute of Psychiatry, London (UK)

Duração/*Duration*: 2011/03 – 2012/04

Peer-reviewed publications

Tchanturia, K., Hambrook, D., Curtis, H., Jones, T., Lounes, N., Fenn, K., Keyes, A., Stevenson, L., & Davies, H. (2013). Work and social adjustment in patients with anorexia nervosa. *Comprehensive Psychiatry, 54*(1), 41-45. doi:10.1016/j.comppsych.2012.03.014

Davies, H., Fox, J., Naumann, U., Treasure, J.,Schmidt, U., & Tchanturia, K. (2012). Cognitive remediation and emotion skills training for anorexia nervosa: An observational study using neuropsychological outcomes. *European Eating Disorder Review, 20*(3), 211-217. doi:10.1002/erv.2170

Davies, H., Swan, N., Schmidt, U., & Tchanturia, K. (2011). An experimental investigation of verbal expression of emotion in anorexia and bulimia nervosa. *European Eating Disorders Review, 20*(6), 476-483. doi:10.1002/erv.1157

Tchanturia, K., Davies, H., Harrison, A., Fox, J., Treasure, J., & Schmidt, U. (2012). Altered social hedonic processing in eating disorders. *International Journal of Eating Disorders, 45*(8), 962-969. doi:10.1002/eat.22032

Tchanturia, K., Liao, T., Forcano, L., Fernandez-Aranda, F., Uher, R., Treasure, J., ... Campbell, I. (2012). Poor decision making in male patients with anorexia nervosa. European *Eating Disorders Review, 20*(2), 169-173. doi:10.1002/erv.1154

Lounes, N., Khan, G., & Tchanturia, K. (2011). Assessment of cognitive flexibility in anorexia nervosa-self-report or experimental measure? A brief report. *Journal of the International Neuropsychological Society, 17*(5), 925-928. doi:10.1017/S1355617711000671

58/10 – "Somatic psi vs. Survival psi: A quantitative investigation of mediums' phenomenology comparing psychic readings and ostensible communication with the deceased"

Investigadores/*Researchers*: Julie Beischel, Adam Rock, Mark Boccuzzi, Michael Biuso

Instituição/*Institution*: The Windbridge Institute for Applied Research in Human Potential, Tucson (USA)

Duração/*Duration*: 2011/03 – 2013/02

Peer-reviewed publications

Beischel, J., Rock, A. J., Pekala, R. J., & Boccuzzi, M. (2021). Survival psi and somatic psi: Exploratory quantitative phenomenological analyses of blinded mediums' experiences of communication with the deceased and psychic readings for the living. *Journal of Near-Death Studies, 39*(2), 61–102. doi:10.17514/JNDS-2021-39-2-p61-102

61/10 – "Translation of neuron-glia interactions in complex cognitive functions"
Investigadores/*Researchers*: João Filipe Pedreira de Oliveira, Nuno Sérgio Mendes Dias, Luis Ricardo Monteiro Jacinto
Instituição/*Institution*: Instituto de Investigação em Ciências da Vida e da Saúde (ICVS), Escola de Ciências da Saúde, Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2011/05 – 2015/07

Peer-reviewed publications

Oliveira, J. F., Sardinha, V. M., Guerra-Gomes, S., Araque, A., & Sousa, N. (2015). Do stars govern our actions? Astrocyte involvement in rodent behavior. *Trends in Neurosciences, 38*(9), 535-549. doi:10.1016/j.tins.2015.07.006

Lima, A., Sardinha V. M., Oliveira A. F., Reis M., Mota C., Silva, M., . . . Oliveira, J. F. (2014). Astrocyte pathology in the prefrontal cortex impairs the cognitive function of rats. *Molecular Psychiatry,19*(7), 834-841. doi:10.1038/mp.2013.182

Oliveira, J. F., Dias, N., Correia, M., Gama-Pereira, F., Sardinha, V. M., ..., Sousa, N. (2013). Chronic stress disrupts neural coherence between cortico-limbic structures. *Frontiers in Neural Circuits, 7*:10, 1-12. doi:10.3389/fncir.2013.00010

63/10 – "Mindful ageing. Avoiding age related cognitive decline"
Investigadores/*Researchers*: Isabel Pavão Martins, Nuno Lunet, Carolina Maruta, Clara Loureiro, Vanda Freitas, Joana Morgado, Sofia Reimão, Joana Tavares
Instituição/*Institution*: Laboratório de Estudos de Linguagem, Unidade Neurologica de Investigação Clínica, Faculdade de Medicina de Lisboa e Instituto de Medicina Molecular, Universidade de Lisboa (Portugal)
Duração/*Duration*: 2011/04 – 2014/07

Peer-reviewed publications

Martins, I. P., Maruta, C., Alves, P. N., Loureiro, C., Morgado, J., Tavares, J., & Gil-Gouveia, R. (2020). Cognitive aging in migraine sufferers is associated with more subjective complaints but similar age-related decline: a 5-year longitudinal study. *The Journal of Headache and Pain, 21*(1): 31. doi:10.1186/s10194-020-01100-x

Maruta, C., & Martins, I. P. (2019). May Subjective Language Complaints Predict Future Language Decline in Community-Dwelling Subjects? *Frontiers in Psychology, 10*: 1974. doi:10.3389/fpsyg.2019.01974

Martins, I. P., Maruta, C., Morgado, J., Loureiro, C., Tavares, J., Freitas, V., Lunet, N., Viana, P., & Marques, P. (2018). Predictors of cognitive stability or decline during aging: A longitudinal study in primary care. *Applied Neuropsychology: Adult, 5*, 1-13. doi:10.1080/23279095.2018.1476866

66/10 – "The Spiritual Brain: neuropsychological and neurophysiologic investigations of Self-transcendence and Spirituality"
Investigadores/*Researchers*: Salvatore Maria Aglioti, Cosimo Urgesi, Franco Fabbro, Matteo Candidi, Fabio Campanella
Instituição/*Institution*: Department of Psychology, University of Rome "La Sapienza", Roma (Italy)
Duração/*Duration*: 2011/04 – 2013/02

Peer-reviewed publications

Crescentini, C., Di Bucchianico, Fabbro, F., & Urgesi, C. (2015). Excitatory stimulation of the right inferior parietal cortex lessens implicit religiousness/spirituality. *Neuropsychologia, 70*, 71-79. doi:10.1016/j.neuropsychologia.2015.02.016

Campanella, F., Crescentini, C., Urgesi, C., & Fabbro, F. (2014). Mindfulness-oriented meditation improves self-related character scales in healthy individuals. *Comprehensive Psychiatry, 55*(5), 1269-1278. doi:doi:10.1016/j.comppsych.2014.03.009

Crescentini, C., Aglioti, S., Fabbro, F., & Urgesi, C. (2014). Virtual lesions of the inferior parietal cortex induce fast changes of implicit religiousness/spirituality. *Cortex, 54*, 1–15. doi:10.1016/j.cortex.2014.01.023

Crescentini, C., Fabbro, F., & Urgesi, C. (2014). Mental spatial transformations of objects and bodies: Different developmental trajectories in children from 7 to 11 years of age. *Developmental Psychology, 50*(2), 370-383. doi:10.1037/a0033627

Crescentini, C., Urgesi, C., Campanella, F., Eleopra, R., & Fabbro, F. (2014). Effects of an 8-week meditation program on the implicit and explicit attitudes toward religious/spiritual self-representations. *Consciousness and Cognition, 30*, 266-280. doi:10.1016/j.concog.2014.09.013

Crescentini, C., Urgesi, C., Fabbro, F, Eleopra, R. (2014). Cognitive and brain reserve for mind-body therapeutic approaches in multiple sclerosis: a review. *Restorative Neurology and Neuroscience, 32*(5), 575-595. doi:10.3233/RNN-130364

72/10 – "Neurocognitive mechanisms supporting the influence of memory on visual attention in healthy and disease"
Investigadores/*Researchers:* José Miguel Pinto Cardoso de Bourbon Teles, David Soto, Paul Bentley
Instituição/*Institution:* Centre for Neuroscience, Faculty of Medicine, Department of Neuroscience and Mental Health, Imperial College London (UK)
Duração/*Duration:* 2011/04 – 2013/10

Peer-reviewed publications

de Bourbon Teles, J., & Soto, D. (2019). Assessing the role of the left dorsal frontal cortex in working memory guidance: attentional or mnemonic? A neurostimulation study. *Neuroscience, 411*, 140-149. doi:10.1016/j.neuroscience.2019.04.049

de Bourbon Teles, J., Bentley, P., Koshino, S., Shah, K., Dutta, A., Malhotra, P., . . . Soto, D. (2014). Thalamic control of human attention driven by memory and learning. Current Biology, 24(9), 993-999. doi:10.1016/j.cub.2014.03.024

74/10 – "The psychobiological effects of yoga/meditation in a prison population"
Investigadores/*Researchers*: Miguel Farias, Amy Bilderbeck
Instituição/*Institution*: Department of Experimental Psychology, University of Oxford (UK)
Duração/*Duration*: 2011/12 – 2013/11

Peer-reviewed publications

Bilderbeck, A, Brazil, I., & Farias, M. (2015). Preliminary evidence that yoga practice progressively improves mood and decreases stress in a sample of UK prisoners. *Evidence-Based Complementary and Alternative Medicine*, Article ID 819183. doi:10.1155/2015/819183

Bilderbeck, A., Farias, M., Brazil, I., Jakobowitz, S., & Wikholm, C. (2013). Participation in a 10-week course of yoga improves behavioural control and decreases psychological distress in a prison populationq. *Journal of Psychiatric Research, 47*(10), 1438-1445. doi:10.1016/j.jpsychires.2013.06.014

76/10 – "Transcendental meditation (TM) or hypnotherapy for the treatment of children with tension-type headache: A multi-centre randomized controlled clinical trial in the Netherlands"
Investigadores/*Researchers*: Miek C. Jong, E.P. van Wijk, I. Boers, A. M. Vlieger
Instituição/*Institution*: The Louis Bolk Institute, La Driebergen (The Netherlands)
Duração/*Duration*: 2011/10 – 2017/09

Peer-reviewed publications

Jong, M. C., Boers, I., van Wietmarschen, H. A., Tromp, E., Busari, J. O., Wennekes, R., Snoeck, I., Bekhof, J., & Vlieger, A. M. (2019). Hypnotherapy or transcendental meditation versus progressive muscle relaxation exercises in the treatment of children with primary headaches: a multi-centre, pragmatic, randomised clinical study. *European Journal of Pediatrics, 178*(2), 147-154. doi:10.1007/s00431-018-3270-3

82/10 – "An investigation into the prevalence and phenomenology of synchronicity experiences in the clinical setting"
Investigador/*Researcher*: Elizabeth Roxburgh
Instituição/*Institution*: Centre for the Study of Anomalous Psychological Processes (CSAPP), The University of Northampton (UK)
Duração/*Duration*: 2011/03 – 2012/07

Peer-reviewed publications

Roxburgh, E. C., Ridgway, S., & Roe, C. A. (2016). Synchronicity in the therapeutic setting: A survey of practitioners. *Counselling and Psychotherapy Research, 16*(1), 44-53. doi:10.1002/capr.12057

Roxburgh, E. C., Ridgway, S., & Roe, C. A. (2015). Exploring the meaning in meaningful coincidences: An interpretative phenomenological analysis of synchronicity in therapy. *European Journal of Psychotherapy & Counselling, 17*(2), 144-161. doi:10.1080/13642537.2015.1027784

86/10 – "The different faces of one's self: Neural correlates of changes in selfidentity"
Investigadores/*Researchers*: Ana Tajadura-Jiménez, Emmanouil (Manos) Tsakiris
Instituição/*Institution*: Department of Psychology, Royal Holloway University of London (UK)
Duração/*Duration*: 2011/09 – 2012/10

Peer-reviewed publications

Apps, M. A., Tajadura-Jiménez, A., Sereno, M., Blanke, O., & Tsakiris, M. (2013). Plasticity in unimodal and multimodal brain areas reflects multisensory changes in self-face identification. *Cerebral Cortex*. doi:10.1093/cercor/bht199

Apps, M. A., Tajadura-Jiménez, A., Turley, G., & Tsakiris, M. (2012). The different faces of one's self: An fMRI study into the recognition of current and past self-facial appearances. *NeuroImage, 63*(3), 1720-1729. doi:10.1016/j.neuroimage.2012.08.053

94/10 – "Cortical and autonomic responses associated with accurate intuition"
Investigadores/*Researchers*: Paul J. Mills, Arnaud Delorme, Julie Beischel, Dean Radin, Rael Cahn
Instituição/*Institution*: Institute of Noetic Sciences, California (USA)
Duração/*Duration*: 2011/10 – 2013/04

Peer reviewed publication

Delorme, A., Beischel, J., Michel, L., Boccuzzi, M., Radin, D., & Mills, P. (2013). Electrocortical activity associated with subjective communication with the deceased. *Frontiers in Psychology, 4*: 834. doi:10.3389/fpsyg.2013.00834

96/10 – "The psychophysiology of positive psychology"
Investigadores/*Researchers*: Angela Clow, Lisa Thorn, Nina Smyth, Frank Hucklebridge
Instituição/*Institution*: Psychophysiology and Stress Research Group, Department of Psychology, University of Westminster, London (UK)
Duração/*Duration*: 2011/06 – 2013/10

Peer-reviewed publications

Evans, P., Smyth, N., Thorn, L., Hucklebridge, F., & Clow, A. (2019). Salience versus magnitude in the measurement of the cortisol awakening response. *Psychoneuroendocrinology, 103*, 249-258. doi:10.1016/j.psyneuen.2019.01.023

Smyth, N., Bianchin, M., Thorn, L., Hucklebridge, F., Kirschbaum, C., Stalder, T., Clow, A. (2016). Hair cortisol concentrations in relation to ill-being and well-being in healthy young and old females. *International Journal of Psychophysiology, 102*, 12-17.

Smyth, N., Thorn, L., Hucklebridge, F., Clow, A., & Evans, P. (2016). Assessment of the cortisol awakening response: Real-time analysis and curvilinear effects of sample timing inaccuracy. *Psychoneuroendocrinology, 74,* 380-386. doi:10.1016/j.psyneuen.2016.09.026

Smyth, N., Thorn, L., Hucklebridge, F., Evans, P., & Clow, A. (2015). Post awakening salivary cortisol secretion and trait well-being: The importance of sample timing accuracy. *Psychoneuroendocrinology, 58*, 141-151. doi:10.1016/j.psyneuen.2015.04.019

Smyth, N., Clow, A., Thorn, L., Hucklebridge, F., & Evans, P. (2013). Delays of 5-15min between awakening and the start of saliva sampling matter in assessment of the cortisol awakening response. *Psychoneuroendocrinology, 38*(9), 1476-1483. doi:10.1016/j.psyneuen.2012.12.013

Smyth, N., Hucklebridge, F., Thorn, L., Evans, P., & Clow, A. (2013). Salivary cortisol as a biomarker in social science research. *Social and Personality Psychology Compass, 7*(9), 605-625. doi:10.1111/spc3.12057

100/10 – "Replicating von Lucadou's psycho-physical correlation matrices"
Investigadores/*Researchers*: Harald Walach, Nikolaus von Stillfried
Instituição/*Institution*: Institute for Transcultural Health Sciences (INTRAG), European University Viadrina, Frankfurt Oder (Germany)
Duração/*Duration*: 2011/11 – 2014/06

Peer-reviewed publications

Walach, H. (2020). Naturalizing religion, spiritualizing science: The role of consciousness research. *Journal of Consciousness Studies, 27*(7-8), 165-194.

Walach, H., Horan, M., Hinterberger, T., & von Ludacou, W. (2020). Evidence for anomalistic correlations between human behavior and a random event generator – Result of an independent replication of a micro-PK experiment. *Psychology of Consciousness: Theory, Research, and Practice, 7*(2), 173-188. doi:10.1037/cns0000199

102/10 – "The importance of the rapid eye movement sleep stage for creativity and for creative problem solving"
Investigadores/*Researchers*: Ingegerd Carlsson, Per Davidson, Una Gustafsson, Markus Jansson-Frõjmark, Sara Mednick, Marianne Ors
Instituição/*Institution*: Department of Psychology, Lund University, Lund (Sweden)
Duração/*Duration*: 2011/07 – 2013/11

Peer-reviewed publications

Carlsson, I., Davidson, P., & Ors, M. (2019). Effects of a daytime nap on primed and repeated remote associates tests and relations with divergent creativity. *Creativity Research Journal, 31*(2), 207-214.

105/10 – "Analgesic properties of computer games"
Investigadores/*Researchers*: Stephen Fairclough, Helen Poole
Instituição/*Institution*: School of Natural Sciences and Psychology, Liverpool John Moores University, Liverpool (UK)
Duração/*Duration*: 2011/09 – 2013/02

Peer-reviewed publications

Burns, C. G., & Fairclough, S. H. (2015). Use of auditory event-related potentials to measure immersion during a computer game. *International Journal of Human-Computer Studies, 73*, 107-114. doi:10.1016/j.ijhcs.2014.09.002

Fairclough, S., & Burns, N. (2013). Decomposing immersion: effects of game demand and display type on auditory evoked potentials. In W. E. Mackay, S. Brewster, & S. Bødker (Eds.), *CHI '13 Extended Abstracts on Human Factors in Computing Systems - CHI EA '13* (pp. 1095-1100). New York, NY: ACM Press. doi:10.1145/2468356.2468552

106/10 – "Mapping the psychophysiology of anxiety responses using virtual reality"
Investigadores/*Researchers*: Simon Dymond, Philip M. Newton, Bryan Roche
Instituição/*Institution*: Department of Psychology, Wales Institute of Cognitive Neuroscience, Swansea University, Swansea (UK)
Duração/*Duration*: 2011/07 – 2014/01

Peer-reviewed publications

Allcoat, D., Greville, W. J., Newton, P. M., & Dymond, S. (2015). Frozen with fear: Conditioned suppression in a virtual reality model of human anxiety. *Behavioural Processes, 118*, 98-101. doi:10.1016/j.beproc.2015.06.011

Greville, J., Dymond, S., Newton, P., & Roche, B. (2013). Acquired equivalence and generalized suppression in a virtual reality environment. *Learning & Behavior*, 1-8. doi:10.3758/s13420-013-0129-3

Greville, J., Newton, P., Roche, B., & Dymond, S. (2013). Conditioned suppression in a virtual environment. *Computers in Human Behavior, 29*(3), 552-558. doi:10.1016/j.chb.2012.11.016

119/10 – "Psychophysiological indicators of stress reactivity and disease adaptation: Attachment styles, coping and emotions regulation / Indicadores psicofisiológicos da reactividade ao stress e adaptação à doença: Estilos de vinculação, coping e regulação emocional"
Investigadores/*Researchers*: Sílvia Raquel Soares Ouakinin, Luísa Maria Vaqueiro Lopes, Susana Filipa Gonçalves Eusébio, Luísa Maria Vaqueiro Lopes, Marco Alberto Vicente Barreto Torrado, Isabel Maria Rolão Nabais, Graça Maria Vilhena da Cruz Gonçalves Costa Diogo
Instituição/*Institution*: Centro Multidisplinar de Psicopatologia Barahona Fernandes, Faculdade de Medicina da Universidade de Lisboa (Portugal)
Duração/*Duration*: 2011/03 – 2015/09

Peer-reviewed publications

Ouakinin, S., Eusébio, S., Torrado, M., Silva, H., Nabais, I., Gonçalves, G., & Bacelar-Nicolua, L. (2015). Stress reactivity, distress and attachment in newly diagnosed breast cancer patients. *Health Psychology and Behavioral Medicine, 3*(1), 424-438. doi:10.1080/21642850.2015.1121491

Sousa, V. C., Vital, J., Costenla, A. R., Batalha, V. L., Sebastião, A. M., Ribeiro, J. A., & Lopes, L. V. (2014). Maternal separation impairs long term-potentiation in CA1-CA3 synapses and hippocampal-dependent memory in old rats. *Neurobiology of Aging, 35*(7), 1680-1685. doi:10.1016/j.neurobiolaging.2014.01.024

Eusébio, S., & Ouakinin, S. (2013). Da vinculação à saúde na idade adulta. *Revista Portuguesa de Psicossomática, Vol. II* – Online

Eusébio, S. (2013). Evaluation of stress reactivity and coping in breast cancer patients. *Psychotherapy and Psychosomatics, 82*(Suppl 1), 29. doi:10.1159/000354142

Ouakinin, S., Eusébio, S., Torrado, M., Gonçalves, G., Nabais, I., & Lopes, L. (2013). Can stress vulnerability predict patients reactivity to breast cancer diagnosis? *Psychotherapy and Psychosomatics, 82*(Suppl. 1), 80. doi:10.1159/000354142

Plácido da Silva, H., Fred, A., Eusébio, S., & Ouakinin, S. (2013). Psychophysiological measurements in emotion analysis and research. *Psychotherapy and Psychosomatics, 82*(Suppl 1), 86. doi:10.1159/000354142

128/10 – "Extending the spiritual healing paradigm to explore distant mental interaction effects with Wiccan healers"

Investigadores/*Researchers*: Chris Roe, Charmaine Marie Sonnex

Instituição/*Institution*: Centre for the Study of Anomalous Psychological Processes (CSAPP), University of Northampton, Psychology Division, Northampton (UK)

Duração/Duration: 2014/10 – 2019/05

Peer-reviewed publications

Sonnex, C., Roe, C. A., & Roxburgh, E. C. (2020). Flow, liminality, and eudaimonia: Pagan ritual practice as a gateway to a life with meaning. *Journal of Humanistic Psychology*. doi:10.1177/0022167820927577

Sonnex, C., Roe, C. A., & Roxburgh, E. C. (2020). Testing the pagan prescription: Using a randomized controlled trial to investigate pagan spell-casting as a form of noncontact healing. *The Journal of Alternative and Complementary Medicine*. doi:10.1089/acm.2019.0279

141/10 – "Pattern classification of emotion-induced physiological changes"

Investigadores/*Researchers*: Julia Mossbridge, David Little

Instituição/*Institution*: Northwestern University Visual Perception, Cognition, and Neuroscience Laboratory, Evanston (USA)

Duração/*Duration*: 2011/04 – 2015/04

Peer-reviewed publications

Mossbridge, J. (2023). Precognition at the boundaries: An empirical review and theoretical discussion. *Journal of Anomalous Experience and Cognition, 3*(1), 5-41. doi:10.31156/jaex.24216

Mossbridge J. (2017). Characteristic alpha reflects Predictive Anticipatory Activity (PAA) in an auditory-visual task. In D. Schmorrow & C. Fidopiastis (Eds), *Augmented Cognition. Neurocognition and Machine Learning. AC 2017. Lecture Notes in Computer Science* (Vol. 10284, pp. 79-89). Springer, Cham. doi:10.1007/978-3-319-58628-1_7

Mossbridge, J. (2017). Examining the nature of retrocausal effects in biology and psychology. AIP Conference Proceedings, 1841, 030004. doi:10.1063/1.4982775

Dalkvist, J., Mossbridge, J., & Westerlund, J. (2014). How to remove the influence of expectations bias in presentimento and similar experiments: A recommended strategy. *Journal of Parapsychology, 78*(1), 80–97.

Mossbridge, J., Tressoldi, P., Utts, J., Ives, J. A., Radin, D., & Jonas, W. B. (2014). Predicting the unpredictable: Critical analysis and practical implications of predictive anticipatory activity. *Frontiers in Human Neuroscience, 8*, 146, 1-10. doi:10.3389/fnhum.2014.00146

Mossbridge, J., Tressoldi, P., & Utts, J. (2012). Predictive physiological anticipation preceding seemingly unpredictable stimuli: A meta-analysis. *Frontiers in Psychology, 3*, 390, 1-18. doi:10.3389/fpsyg.2012.00390

142/10 – "Towards a replicable formula for significant intuitive ability in an applied setting"

Investigadores/*Researchers:* James Houran, Rense Lange

Instituição/*Institution:* Integrated Knowledge Systems, Illinois (USA)

Duração/*Duration:* 2011/03 – 2012/06

Peer-reviewed publications

Houran, J., Lynn, S., & Lange, R. (2017). Commentary on Stokes's (2017) Quest for "White Crows" in Spontaneous Cases of Psi. *Australian Journal of Parapsychology, 17*(1), 61-88.

Houran, J., & Lange, R. (2013). Applying the theory of reasoned action to a computerized test of intuition, Part II: Decision-making in a hidden test of psi. *Journal of the Society for Psychical Research, 77.4*(913), 236-251.

Lange, R., Houran, J., & Lange, X. (2013). Applying the theory of reasoned action to a computerized test of intuition: Part I. methodological note. *Journal of the Society for Psychical Research, 77.3*(912), 178-189.

155/10 – "Memory for personal experience and the parietal cortex"
Investigadores/*Researchers*: Charlotte Russell, Paresh Malhotra, Adrian Williams
Instituição/*Institution*: Centre for Cognition and Neuroimaging, Department of Psychology, Brunel University, Uxbridge (UK)
Duração/*Duration*: 2011/06 – 2015/09

Peer-reviewed publications

Russell, C., Davies, S., Li, K., Musil, A. S., Malhotra, P. A., & Williams, A. L. (2019). Self-perspective in episodic memory after parietal damage and in healthy ageing. *Neuropsychologia, 124*, 171-181. doi:10.1016/j.neuropsychologia.2018.12.013

Malhotra, P., Soto, D., Li, K., & Russell, C. (2013). Reward modulates spatial neglect. *Journal of Neurology, Neurosurgery & Psychiatry, 84*(4), 366-369. doi:10.1136/jnnp-2012-303169

157/10 – "Control of cognitive and emotional processing of faces by the frontal theta Rhythm/Controlo do processamento cognitivo e emocional das faces pelo ritmo teta frontal"
Investigadores/*Researchers*: Alberto João Rodrigues Leal, Ricardo Jorge de Pina Ramos Machado Lopes, Patrícia Arriaga Ferreira, Francisco Esteves
Instituição/*Institution*: Centro de Investigação e Intervenção Social, ISCTE-IUL, Lisboa (Portugal)
Duração/*Duration*: 2011/04 – 2014/10

Peer-reviewed publications

Leal, A., Lopes, R., Arriaga Ferreira, P., & Esteves, F. (2014). The brain mapping of emotion in human faces: Clinical application in epilepsy. *IEEE International Symposium on Medical Measurements and Applications (MeMeA)*. doi:10.1109/MeMeA.2014.6860028

161/10 – "Investigating the function of synaptic competition in memory formation and mental retardation"
Investigadores/*Researchers*: Inbal Israely, Anna Hobbiss, Ana Vaz
Instituição/*Institution*: Champalimaud Foundation, Lisbon (Portugal)
Duração/Duration: 2011/09 – 2015/09

Peer-reviewed publications

Argunsah, A. Ö., & Israely, I. (2023). Homosynaptic plasticity induction causes heterosynaptic changes at the unstimulated neighbors in an induction pattern and location-specific manner. *Frontiers in Cellular Neuroscience, 17*, 1253446. doi:10.3389/fncel.2023.1253446

Argunsah, A. Ö., & Israely, I. (2023). The temporal pattern of synaptic activation determines the longevity of structural plasticity at dendritic spines. *iScience, 26*(6), 106835. doi:10.1016/j.isci.2023.106835

Argunsah, A. Ö., Erdil, E., Ghani, M. U., Ramiro-Cortés, Y., Hobbiss, A., Karayannis, T., Çetin, M., Israely, I., & Ünay, D. (2022). An interactive time series image analysis software for dendritic spines. *Scientific Reports, 12*(1), 12405. doi:10.1038/s41598-022-16137-y

Hobbiss, A. F., Ramiro-Cortés, Y., & Israely, I. (2018). Homeostatic plasticity scales dendritic Spine volumes and changes the threshold and specificity of hebbian plasticity. *iScience, 8*, 161-174. doi:10.1016/j.isci.2018.09.015

Ramiro-Cortés, Y., Hobbis, A., & Israely, I. (2013). Synaptic competition in structural plasticity and cognitive function. *Philosophical Transactions of the Royal Society B Biological Sciences, 369*(1633): 20130157. doi:10.1098/rstb.2013.0157

Ramiro-Cortés, Y., & Israely, I. (2013). Long lasting protein synthesis- and activity-dependent spine shrinkage and elimination after synaptic depression. *PLoS ONE 8*(8): e71155. doi:10.1371/journal.pone.0071155

167/10 – "Elucidating the molecular mechanisms mediating feeding behavior"
Investigadores/*Researchers:* Carlos Vidal Ribeiro, Maria Teresa Montez, Laura Belmonte, Samantha Herbert
Instituição/*Institution:* Champalimaud Foundation, Lisboa (Portugal)
Duração/*Duration:* 2011/05 – 2014/09

Peer-reviewed publications

Herbert, S., & Ribeiro, C. (2014). Nutrition: Rejection Is the Fly's Protection. *Current Biology, 24*(7), R278–R280. doi:10.1016/j.cub.2014.02.043

Itskov, P. M., Moreira, J., Vinnik, E., Lopes, G., Safarik, S., Dickinson, M., & Ribeiro, C. (2014). Automated monitoring and quantitative analysis of feeding behaviour in Drosophila. *Nature Communications, 5*: 4560. doi:10.1038/ncomms5560

Itskov, P. M., & Ribeiro, C. (2013). The dilemmas of the gourmet fly: the molecular and neuronal mechanisms of feeding and nutrient decision making in Drosophila. *Frontiers in Neuroscience, 7*, 12. doi:10.3389/fnins.2013.00012.

Piper, M. D., Yang, M., Linford, N. J., Hoddinott, M. P., Hopfen, C., Soultoukis, G., ... Partridge, L. (2013). A holidic medium for Drosophila melanogaster. *Nature Methods, 11*(1), 100-105. doi:10.1038/nmeth.2731

170/10 – "The role of fusion of multisensory percepts in dynamic facial/body expressions: an fMRI study / A função da integração multisensorial na percepção de expressões faciais e corporais dinâmicas: um estudo em fMRI"
Investigadores/*Researchers:* Gina Maria Costa Caetano, Miguel Castelo-Branco, Beatrice de Gelder, Gregor Philipak
Instituição/*Institution:* Instituto Biomédico de Investigação de Luz e Imagem - IBILI, Faculdade de Medicina, Universidade de Coimbra (Portugal)
Duração/*Duration:* 2011/04 – 2013/11

Peer-reviewed publications

Marques, D. R., Gomes, A. A., Clemente, V., Moutinho dos Santos, J., Duarte, I. C., Caetano, G., & Castelo-Branco, M. (2020). The effect of tailored cognitive-behavioral therapy for insomnia on brain's resting-state networks. *Sleep Vigilance, 4,* 29-33. doi:10.1007/s41782-020-00086-5

Marques, D. R., Gomes, A. A., Clemente, V., Duarte, I. C., Caetano, G., & Castelo-Branco, M. (2019). Does cognitive-behavioral therapy for insomnia change the brain? A case series study. *Sleep Vigilance, 4,* 35-42. doi:10.1007/s41782-019-00081-5

Marques, D. R., Gomes, A. A., Caetano, G., & Castelo-Branco, M. (2018). Insomnia disorder and brain's default-mode network. *Current Neurology and Neuroscience Reports, 18*: 45. doi:10.1007/s11910-018-0861-3

Marques, D. R., Gomes, A. A., Clemente, V., dos Santos, J. M., Duarte, I. C., Caetano, G., & Castelo-Branco, M. (2017). Self-referential dysfunction and default-mode hyperactivation in psychophysiological insomnia patients: A case-control fMRI study. *Journal of Psychophysiology*. doi:10.1027/0269-8803/a000194

Marques, D., Gomes, A. A., Clemente, V., dos Santos, J. M., Duarte, I. C., Caetano, G., & Castelo-Branco, M. (2017). Unbalanced resting-state networks activity in psychophysiological insomnia. *Sleep and Biological Rhythms, 15*(2), 167-177. doi:10.1007/s41105-017-0096-8

Almeida, I., Van Asselen, M., & Castelo-Branco, M. (2013). The role of the amygdala and the basal ganglia in visual processing of central vs. peripheral emotional content. *Neuropsychologia, 51*(11), 2120-2129. doi:10.1016/j.neuropsychologia.2013.07.007

172/10 – "Attitudes sensitivity to context: presence of other and physiological evidences"
Investigadores/*Researchers*: Teresa Maria Morais Garcia-Marques, Ricardo Fonseca, Marília Prada, Alexandre Fernandes
Instituição/*Institution*: Unidade de Investigação em Psicologia Cognitiva, do Desenvolvimento e da Educação (UIPCDE), ISPA - Instituto Universitário, Lisboa (Portugal)
Duração/*Duration*: 2011/05 – 2015/10

Peer-reviewed publications

Garcia-Marques, T., Fonseca, R., & Blascovich, J., (2015). Familiarity challenge and processing of persuasive messages. *Social Cognition, 33*(6), 585-604. doi:10.1521/soco.2015.33.6.58

Garcia-Marques, T., Fernandes, A., Fonseca, R., & Prada, M., (2015). Seeing the big picture: Size perception is more context-sensitive in the presence of others. *PLoS ONE, 10*(11), e0141992. doi:10.1371/journal.pone.0141992

Garcia-Marques, T., Fernandes, A., Fonseca, R., & Prada, M. (2015). Social presence and the composite face effect. *Acta Psychologica, 158*, 61-66. doi:doi:10.1016/j.actpsy.2015.04.001

Fonseca, R., Blascovich, J., & Garcia-Marques, T. (2014). Challenge and threat motivation: Effects on superficial and elaborative information processing. *Frontiers in Psychology, 5*:1170. doi:10.3389/fpsyg.2014.01170

Prada, M., Fonseca, R., Garcia-Marques, T., & Fernandes, A. (2014). Se correr o bicho pega... Normas de avaliação de imagens de animais negativos. *Laboratório de Psicologia, 12*, 41-56. doi:10.14417/lp.851

176/10 – "Dopaminergic regulation of dietary learning in humans and rodents"
Investigadores/*Researchers:* Albino Jorge Carvalho de Sousa Oliveira Maia, Rui M. Costa
Instituição/*Institution*: Champalimaud Foundation, Lisboa (Portugal)
Duração/*Duration*: 2011/07 – 2014/07

Peer-reviewed publications

Ribeiro, G., Torres, S., Fernandes, A. B., Camacho, M., Branco, T. L., Martins, S. S., Raimundo, A., Oliveira-Maia, A. J., & Food Reward in Bariatric Surgery Portuguese Study Group (2022). Enhanced sweet taste perception in obesity: Joint analysis of gustatory data from multiple studies. *Frontiers in Nutrition, 9*, 1028261. doi:10.3389/fnut.2022.1028261

Oliveira-Maia, A. J., & Ribeiro, G. (2021). Sweet taste and obesity. European Journal of Internal Medicine. doi:10.1016/j.ejim.2021.01.023

Ribeiro, G., Camacho, M., Fernandes, A. B., Cotovio, G., Torres, S., Oliveira-Maia, A., & Food Reward in Bariatric Surgery Portuguese Study Group (2021). Reward-related gustatory and psychometric predictors of weight loss following bariatric surgery: a multicenter cohort study. *The American Journal of Clinical Nutrition, nqaa349*. doi:10.1093/ajcn/nqaa349

Fernandes, A. B., Alves da Silva, J., Almeida, J., Cui, G., Gerfen, C. R., Costa, R. M., & Oliveira-Maia, A. (2020). Postingestive modulation of food seeking depends on vagus-mediated dopamine neuron activity. *Neuron*. doi:10.1016/j.neuron.2020.03.009

Ribeiro, G., Camacho, M., Santos, O., Pontes, C., Torres, S., & Oliveira-Maia, A. (2018). Association between hedonic hunger and body-mass index versus obesity status. *Scientific Reports, 8*: 5857. doi:10.1038/s41598-018-23988-x

Torres, S., Camacho, M., Costa, P., Ribeiro, G., Santos, O., Vieira, F. M., ... Oliveira-Maia, A. (2017). Psychometric properties of the Portuguese version of the Yale Food Addiction Scale. *Eating and Weight Disorders, 22*, 259–267. doi:10.1007/s40519-016-0349-6

Bugalho, P., & Oliveira-Maia, A. J. (2013). Impulse control disorders in Parkinson's disease: crossroads between neurology, psychiatry and neuroscience. *Behavioural Neurology, 27*(4), 547-557. doi:10.3233/BEN-129019

Castro-Rodrigues, P., & Oliveira-Maia, A. J. (2013). Exploring the effects of depression and treatment of depression in reinforcement learning. *Frontiers in Integrative Neuroscience, 7*: 72. doi:10.3389/fnint.2013.00072

178/10 – "Neural mechanisms of social transmission of fear"
Investigadores/*Researchers:* Marta de Aragão Pacheco Moita, Ana Pereira, Susana Lima
Instituição/*Institution:* Champalimaud Foundation, Lisboa (Portugal)
Duração/*Duration:* 2011/10 – 2013/07

Peer-reviewed publications

Pereira, A., Cruz, A., Lima, S. & Moita, M. A. (2012). Silence resulting from the cessation of movement signals danger. *Current Biology, 22*(16), R627-R628. doi:10.1016/j.cub.2012.06.015

180/10 – "Neuronal mechanisms underlying sex hormone-dependent switching of sexual receptivity"
Investigadores/*Researchers*: Kensaku Nomoto, Susana Quelhas Lima
Instituição/*Institution*: Champalimaud Foundation, Lisboa (Portugal)
Duração/*Duration*: 2011/05 – 2013/07

Peer-reviewed publications

Nomoto, K., & Lima, S. (2015). Enhanced male-evoked responses in the ventromedial hypothalamus of sexually receptive female mice. *Current Biology, 25*(5),589-594. doi:10.1016/j.cub.2014.12.048

186/10 – "Brain Mechanisms of Placebo Analgesia"
Investigadores/*Researchers:* Magne Arve Flaten, Per M. Aslaksen, Torgil R. Vangberg, Odd Petter Eldevik, Jan Bergdahl, Sara Vambheim, Just C. Thoner
Instituição/*Institution:* University of Tromsø and University Hospital of North Norway, Tromso (Norway)
Duração/*Duration*: 2011/03 – 2014/01

Peer-reviewed publications

Vambheim, S. M., Daniali, H., & Flaten, M. A. (2021). Placebo effects on stress, but not on pain reports. A multi-experiment study. *Frontiers in Psychology, 12*, 2093. doi:10.3389/fpsyg.2021.639236

Flaten, M. A., Bjørkedal, E., Lyby, P. S., Figenschau, Y., & Aslaksen, P. M. (2018). Failure to find a conditioned placebo analgesic response. *Frontiers in Psychology, 9*: 1198. doi:10.3389/fpsyg.2018.01198

Vambheim, S. M., & Øien, R. A. (2017). Sex differences in fear of pain: item-level analysis of the Fear of Pain Questionnaire III. *Journal of Pain Research, 10*, 825-831. doi:10.2147/JPR.S128850

Vambheim, S. M. & Flaten, M. A. (2017). A systematic review of sex differences in the placebo and the nocebo effect. *Journal of Pain Research, 10*, 1831-1839. doi:10.2147/JPR.S134745

Vambheim, S. M., Lyby, P. S., Aslaksen, P. M., Flaten, M. A., Åsli, O., & Martinussen, L. M. (2017). The fear of pain questionnaire III and the fear of pain questionnaire short form: A confirmatory factor analysis. *Journal of Pain Research, 10*, 1871-1878. doi:10.2147/JPR.S133032

Vambheim, S., Lyby, P., Aslaksen, P., Flaten, M., Åsli, O., Bjørkedal, E., & Martinussen, L. M. (2017). Developing a model for measuring fear of pain in Norwegian samples: The Fear of Pain Questionnaire Norway. *Scandinavian Journal of Pain, 17*, 425-430.

Flaten, M.A., Firan, A., & Blumenthal, T.D. (2016). Somatosensory pain is not reliably modulated by weak acoustic stimuli. *International Journal of Psychophysiology* doi:10.1016/j.ijpsycho.2015.12.004

Flaten, M.A. (2014). Pain related negative emotions and placebo analgesia. In F. Benedetti, P. Enck, E. Frisaldi, M. Schedlowski (Eds.), *Handbook of Experimental Pharmacology* (pp. 81-96). New York, NY: Springer. doi:10.1007/978-3-662-44519-8_5

Colloca, L., Flaten, M., & Meissner, K. (2013). *Placebo and pain: From bench to bedside*. San Diego, CA: Elsevier. doi:10.1016/B978-0-12-397928-5.01001-1

Flaten, M. A. (2013). Placebo responses, antagonistic responses, and homeostasis. In L. Colloca, M. A. Flaten, & K. Meissner (Eds.), *Placebo and pain* (pp. 103-113). San Diego, CA: Academic Press. doi:10.1016/B978-0-12-397928-5.00011-8

Flaten, M. (2013). Nocebo and nocebo effect. In M. Gellman & J. R. Turner (Eds.), *Encyclopedia of Behavioral Medicine* (pp. 1340-1341). New York, NY: Springer. doi:10.1007/978-1-4419-1005-9_1622

Flaten, M., & al'Absi, M. (2013). Placebo and placebo effect. In M. Gellman & J. R. Turner (Eds.), *Encyclopedia of Behavioral Medicine* (pp. 1497-1499). New York, NY: Springer. doi:10.1007/978-1-4419-1005-9_275

Flaten, M. A., Aslaksen, P. M., & Lyby, P. S. (2013). Positive and negative emotions and placebo analgesia. In L. Colloca, M. A. Flaten & K. Meissner (Eds.), *Placebo and pain* (pp. 73-81). San Diego, CA: Academic Press. doi:10.1016/B978-0-12-397928-5.00008-8

Flaten, M. A., Meissner, K., & Colloca, L. (2013). Methodologic aspects of placebo research. In L. Colloca, M. A. Flaten & K. Meissner (Eds.), *Placebo and Pain* (pp. 149-157). San Diego, CA: Academic Press. doi:10.1016/B978-0-12-397928-5.00015-5

Bjørkedal, E. & Flaten, M. A. (2012). Expectations of increased or decreased pain explain the effect of conditioned pain modulation in females. *Journal of Pain Research, 5*, 289-300. doi:10.2147/JPR.S33559

Lyby, P., Forsberg, J. T., Asli, O., & Flaten, M. A. (2012). Induced fear reduces the effectiveness of a placebo intervention on pain. *Pain, 153*(5), 1114-1121. doi:10.1016/j.pain.2012.02.042

Flaten, M. A., & Åsli, O. (2012). How fast is fear? Automatic and controlled processing in conditioned fear. *Journal of Psychophysiology, 26*, 20-28. doi:10.1027/0269-8803/a000063

Flaten, M., Aslaksen, P., Lyby, P., & Bjørkedal, E. (2011). The relation of emotions to placebo responses. *Philosophical Transactions of the Royal Society B, 366*, 1818–1827. doi:10.1098/rstb.2010.0407

Lyby, P., Aslaksen, P., & Flaten, M. (2011). Variability in placebo analgesia and the role of fear of pain - an ERP study. *Pain, 152*(10), 2405-2412. doi:10.1016/j.pain.2011.07.010

Meissner, K., Bingel, U., Colloca, L., Wager, T., Watson, A., & Flaten, M. (2011). The placebo effect: advances from different methodological approaches. *Journal of Neuroscience, 31*(45), 16117-16124. doi:10.1523/?JNEUROSCI.4099-11.2011

191/10 – "Lucid dream induction by transcranial cortex stimulation: A test of the prefrontal hypothesis of lucid dreaming"

Investigadores/*Researchers:* Michael Schredl, Claudia Schilling, Ahmed Karim, Daniel Erlacher, Birgit Schüt

Instituição/*Institution:* Central Institute of Mental Health, Mannheim (Germany)

Duração/*Duration:* 2011/08 – 2012/10

Peer-reviewed publications

Stumbrys, T., Erlacher, D., & Schredl, M. (2013). Testing the involvement of the prefrontal cortex in lucid dreaming: A tDCS study. *Consciousness and Cognition, 22*(4), 1214-1222. doi:10.1016/j.concog.2013.08.005

193/10 – "Attachment and exceptional experiences amongst twins reporting "exceptional experiences"

Investigadores/*Researchers:* Göran Brusewitz, Adrian Parker, Lynn Cherkas

Instituição/*Institution:* Greenwich University (UK), Department of Psychology, University of Gothenburg (Sweden), Department of Twin Research and Genetic Epidemiology, King's College, London (UK)

Duração/*Duration:* 2013/10 – 2015/06

Peer-reviewed publications

Brusewitz, G., & Parker, A. (2024). An experiment with three studies of physiological connectedness amongst twins and its possible relationship to attachment. *Explore*. doi:10.1016/j.explore.2024.01.008

Brusewitz, G., Cherkas, L., Harris, J., & Parker, A. (2013). Exceptional experiences amongst twins. *Journal of the Society for Psychical Research, 77.4*(913), 220-235.

196/10 – "Emotional responses in patients with disconnection of the left and right brain hemispheres"

Investigadores/*Researchers:* Lynn Kerlin Paul, Ralph Adolphs, Remya Nair

Instituição/*Institution:* Caltech Emotion and Social Cognition Laboratory, California Institute of Technology, California (USA)

Duração/*Duration*: 2011/04 – 2012/01

Peer-reviewed publications

Brown, W. S., Anderson, L. B., Symington, M. F., & Paul, L. K. (2012). Decision-making in individuals with agenesis of the corpus callosum: expectancy-valence in the Iowa Gambling Task. *Archives of Clinical Neuropsychology, 27*(5), 532-544. doi:10.1093/arclin/acs052

Marco, E. J., Harrell, K. M., Brown, W. S., Hill, S. S., Jeremy, R. J., ..., & Paul, L. K. (2012). Processing speed delays contribute to executive function deficits in individuals with agenesis of the corpus callosum. *Journal of the International Neuropsychological Society, 18*(3), 521-529. doi:10.1017/S1355617712000045

Paul , L. K. (2011). Developmental malformation of the corpus callosum: a review of typical callosal development and examples of developmental disorders with callosal involvement. *Journal of Neurodevelopmental Disorders, 3*(1), 3-27. doi:10.1007/s11689-010-9059-y

Tyszka, J. M., Kennedy, D. P., Adolphs, R., & Paul, L. K. (2011). Intact Bilateral Resting-State Networks in the Absence of the Corpus Callosum. *Journal of Neuroscience, 31*(42), 15154-15162. doi:10.1523/?JNEUROSCI.1453-11.2011

201/10 – "The effects of audience size and audience rating on field random number generator output: A case study of Japanese professional baseball"
Investigadores/*Researchers*: Takeshi Shimizu, Masato Ishikawa, Tatsu Hirukawa
Instituição/*Institution*: Science Communicatoin Laboratory, Meiji University, Tokyo (Japan)
Duração/*Duration*: 2011/03 – 2012/10

Peer-reviewed publications

Shimizu, T., & Ishikawa, M. (2012). Audience size effects in field RNG experiments: The case of Japanese professional baseball games. *Journal of Scientific Exploration, 26*(3), 67-83.

Shimizu, T., & Ishikawa, M. (2012). Examination of retroactive effects in a field RNG experiment using prerecorded files. *Journal of the International Society of Life Information Science, 30*(1), 5-16.

Shimizu, T., & Ishikawa, M. (2012). Field RNG experiments using short movies: An examination of the focused-attention and emotion hypotheses. *Journal of the International Society of Life Information Science, 30*(1), 17-30.

Shimizu, T., & Ishikawa, M. (2012). Reliability of outputs of field random number generator movie experiments. *NeuroQuantology, 10*(3), 389-393.

215/10 – "Vestibular contributions to self-awareness"
Investigadores/*Researchers*: Patrick Haggard, Elisa Raffaela Ferre
Instituição/*Institution*: Institute of Cognitive Neuroscience, University College London (UK)
Duração/*Duration*: 2011/03 – 2012/11

Peer-reviewed publications

Ferrè, E. R., Bottini, G., Iannetti, G. D., & Haggard, P. (2013). The balance of feelings: Vestibular modulation of bodily sensations. *Cortex, 49*(3), 748-758. doi:10.1016/j.cortex.2012.01.012

Ferrè, E. R., Day, B. L., Bottini, G., & Haggard, P. (2013). How the vestibular system interacts with somatosensory perception: A sham-controlled study with galvanic vestibular stimulation. *Neuroscience Letters, 550*, 35–40. doi:10.1016/j.neulet.2013.06.046

Ferrè, E. R., Vagnoni, E., & Haggard, P. (2013). Vestibular contributions to bodily awareness. *Neuropsychologia, 51*(8), 1445-1452. doi:10.1016/j.neuropsychologia.2013.04.006

Ferrè, E. R., Bottini, G., & Haggard, P. (2012). Vestibular inputs modulate somatosensory cortical processing. *Brain Structure and Function, 217*(4), 859-864. doi:10.1007/s00429-012-0404-7

Ferrè, E. R., Vagnoni, E., & Haggard, P. (2012). Galvanic vestibular stimulation influences randomness of number generation. *Experimental Brain Research, 224*(2), 233-241. doi:10.1007/s00221-012-3302-6

223/10 – "Exploring the relationship between the synaesthesias and anomalous experiences"
Investigadores/*Researchers*: Christine Simmonds-Moore, Carlos S. Alvarado, Nancy Zingrone, Ferrell Carpenter
Instituição/*Institution*: University of West Georgia (USA)
Duração/*Duration*: 2011/09 – 2013/05

Peer-reviewed publications

Simmonds-Moore, C. (2020). Synesthesia and the perception of unseen realities. *Journal of Humanistic Psychology*. doi:10.1177/0022167820918691

Simmonds-Moore, C. (2016). An interpretative phenomenological analysis exploring synesthesia as an exceptional experience: insights for consciousness and cognition. *Qualitative Research in Psychology, 13*(4), 303-327. doi:10.1080/14780887.2016.1205693

226/10 – "Brain decoding of spontaneous memory processes"
Investigadores/*Researchers*: Pierre Maquet, Christophe Phillips, Jessica Schrouff, Caroline Kussé
Instituição/*Institution*: Cyclotron Research Centre, University of Liège (Belgium)
Duração/*Duration*: 2011/06 – 2016/01

Peer-reviewed publications

Coppieters 't Wallant, D., Muto, V., Gaggioni, G., Jaspar, M., Chellappa, S. L., Meyer, C., Vandewalle, G., Maquet, P., & Phillips, C. (2016). Automatic artifacts and arousals detection in whole-night sleep EEG recordings. *Journal of Neuroscience Methods, 258*, 124-133. doi:10.1016/j.jneumeth.2015.11.005

Coppieters 't Wallant, D., Maquet, P., & Phillips, C. (2016). Sleep spindles as an electrographic element: Description and automatic detection methods. *Neural plasticity, 2016*, 6783812. doi:10.1155/2016/6783812

Meyer, C., Muto, V., Jaspar, M., Kussé, C., Lambot, E., Chellappa, S. L., …, Vandewalle, G. (2016). Seasonality in human cognitive brain responses. Proceedings of the National Academy of Sciences of the United States of America, 113(11), 3066–3071. doi:10.1073/pnas.1518129113

Muto, V., Jaspar, M., Meyer, C., Kussé, C., Chellappa, S. L., Degueldre, C., ... Maquet, P. (2016). Local modulation of human brain responses by circadian rhythmicity and sleep debt. *Science, 353*(6300), 687-690. doi:10.1126/science.aad2993

Schrouff, J., Foster, V., Rangarajan, C., Phillips, C., Mourão-Miranda, C., & Parvizi, J. (2014). Decoding memory processing from electro-corticography in human posteromedial cortex. In *Proceedings 2014 International Workshop on Pattern Recognition in NeuroImaging* (pp. 1-4). IEEE Computer Society Conference Publishing Services. doi:10.1109/PRNI.2014.6858543

Schrouff, J., Cremers, J., Garraux, G., Baldassare, L., Mourão-Miranda, C., & Phillips, C. (2013). Localizing and comparing weight maps generated from linear kernel machine learning models. *In Proceedings 2013 International Workshop on Pattern Recognition in NeuroImaging* (pp. 124-127). IEEE Computer Society Conference Publishing Services. doi:10.1109/PRNI.2013.40

Schrouff, J., Kussé, C., Wehenkel, L., Maquet, P., & Phillips, C. (2012). Decoding semi-constrained brain activity from fMRI using support vector machines and gaussian processes. *PLoS ONE, 7*(4): e35860. doi:10.1371/journal.pone.0035860

Schrouff, J., Kussé, C., Wehenkel, L., Maquet, P., & Phillips, C. (2012). Decoding spontaneous brain activity from fMRI using Gaussian Processes: tracking brain reactivation. In *Proceedings 2012 Second International Workshop on Pattern Recognition in NeuroImaging* (pp. 61-64). IEEE Computer Society Conference Publishing Services. doi:10.1109/PRNI.2012.19

227/10 – "Evaluation of alterations of consciousness and the model of pragmatic information in a ganzfeld protocol"
Investigadores/*Researchers*: Etzel Cardeña, David Marcusson-Clavertz
Instituição/*Institution*: CERCAP, Dept. of Psychology, Lund University (Sweden)
Duração/*Duration*: 2011/04 – 2015/07

Peer-reviewed publications

Cardeña, E., & Marcusson-Clavertz, D. (2020). Changes in state of consciousness and psi in ganzfeld and hypnosis conditions. *Journal of Parapsychology, 84*(1),66-84.

Cardeña, E., & Marcusson-Clavertz, D. (2016). The relation of hypnotizability and dissociation to everyday mentation: An experience sampling study. *Psychology of Consciousness: Theory, Research, and Practice*, *3*(1), 61-79. doi:10.1037/cns0000080

Marcusson-Clavertz, D., Cardeña, E., & Blair, D. (2016). Daydreaming style moderates the relation between working memory and mind wandering: Integrating two hypotheses. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 42*(3), 451-464. doi:10.1037/xlm0000180

231/10 – "Toward understanding visual awareness: An intracranial EEG study on transient suppression phenomena of conscious visual perception"
Investigadores/*Researchers*: Tonio Ball, Andreas Schulze-Bonhage, Ad Aertsen, Jörn Rickert, Markus Kern
Instituição/*Institution*: Epilepsy Center, University Hospital, Freiburg (Germany)
Duração/*Duration*: 2011/06 – 2014/07

Peer-reviewed publications

Kern, M., Schulze-Bonhage, A., & Ball, T. (2021). Blink- and Saccade-related suppression effects in early visual areas of the human brain: Intracranial EEG investigations during natural viewing conditions. *NeuroImage, 230*: 117788. doi:10.1016/j.neuroimage.2021.117788

Kern, M., Aertsen, A., Schulze-Bonhage, A., & Ball, T. (2013). Heart cycle-related effects on event-related potentials, spectral power changes, and connectivity patterns in the human ECoG. *Neuroimage, 81*, 178-190. doi:10.1016/j.neuroimage.2013.05.042

Publicações revistas por pares – Apoios à Investigação Científica 2012/13
Peer-reviewed publications – Grants for Scientific Research 2012/13

10/12 – "Enhancing psychokinesis task performance through the practice of imagery strategies: New psychophysiological approach (stage 2)"
Investigadores/*Researchers*: Alejandro Parra, Juan Corbetta
Instituição/*Institution*: Instituto de Psicología Paranormal, Asoc. Civil, Buenos Aires (Argentina)
Duração/*Duration*: 2013/02 – 2015/02

Peer-reviewed publications

Parra, A., & Argibay, J. C. (2013). Psi and death of the person-target: An experiment with highly emotional iconic representations. *NeuroQuantology, 11*(4), 537-543.

21/12 – "The depersonalized brain: Psychophysiological correlates of cortical hyperexcitability associated with signs of depersonalization, derealization and dissociation, in non-clinical samples"
Investigador/*Researcher*: Jason John Braithwaite
Instituição/*Institution*: Behavioural Brain Sciences Centre, School of Psychology, University of Birmingham (UK)
Duração/*Duration*: 2013/06 – 2015/09

Peer-reviewed publications

Braithwaite, J. J., Marchant, R., Takahashi, C., Dewe, H., & Watson, D. (2015). The Cortical Hyperexcitability Index (CHi): a new measure for quantifying correlates of visually driven cortical hyperexcitability. *Cognitive Neuropsychiatry, 20*(4), 330-348. doi:10.1080/13546805.2015.1040152

Braithwaite, J. J., Mevorach, C., & Takahashi, C. (2015). Stimulating the aberrant brain: Evidence for increased cortical hyperexcitability from a transcranial direct current stimulation (tDCS) study of individuals predisposed to anomalous perceptions. *Cortex, 69*, 1–13. doi:10.1016/j.cortex.2015.03.023

28/12 – "A test of thermodynamic entropy effects in anomalous cognition"
Investigadores/*Researchers:* Edwin May, Sonali Bhatt Marwaha
Instituição/*Institution:* Laboratories for Fundamental Research, Palo Alto, California (USA)
Duração/*Duration*: 2013/03 – 2016/01

Peer-reviewed publications

May, E. C., Hawley, L., Changanti, V., & Ratra, N. (2014). Natural anomalous cognition targets: A fuzzy set application. *Journal of Parapsychology, 78*(2), 195-208.

30/12 – "Regularity encoding and deviance detection in the human auditory brainstem"
Investigadores/*Researchers*: Carles Escera, Katarzina Żarnowiec, Lilla Náfrádi
Instituição/*Institution*: Institute for Brain, Cognition and Behavior (IR3C), University of Barcelona (Spain)
Duração/*Duration*: 2013/07 – 2015/06

Peer-reviewed publications

Gorina-Careta, N., Zarnowiec, K., Costa-Faidella, J., & Escera, C. (2016). Timing predictability enhances regularity encoding in the human subcortical auditory pathway. *Scientific Reports, 6*: 37405. doi:10.1038/srep37405

38/12 – "Testing a methodological formula for consistent hit rates: Matching psi ability to task difficulty"
Investigadores/*Researchers*: James Houran, Rense Lange
Instituição/*Institution*: Integrated Knowledge Systems, Inc., Illinois (USA)
Duração/*Duration*: 2013/02 – 2014/09

Peer-reviewed publications

Houran, J., Lange, R., & Hooper, D. (2018). Cross-examining the case for precognition: Comment on Mossbridge and Radin (2018). *Psychology of Consciousness: Theory, Research, and Practice*, 5(1), 98-109. doi:10.1037/cns0000126

Lange, R., & Houran, J. (2015). "A picture is worth a thousand words:" perceptual-personality profiling via a free-response imagery task. *North American Journal of Psychology, 17*(3), 387-402.

Houran, J. (2013). Anomalous experiences as transliminal drama: The case of Wasney de Almeida. *Australian Journal of Parapsychology, 13*(2), 169-185.

Houran, J., & Lange, R. (2012). Reflections on Paranormal Beliefs as Informed vs. Pseudo Beliefs: Comment on Jinks. *Australian Journal of Parapsychology, 12*(2), 159-167.

41/12 – "The body beyond the body"
Investigadores/*Researchers*: Marcello Costantini, Francesca Ferri
Instituição/*Institution*: Department of Neuroscience and Imaging, University "G. d'Annunzio", Chieti (Italy)
Duração/*Duration*: 2013/03 – 2015/01

Peer-reviewed publications

Ferri, F., Ambrosini, E., Pinti, P., Merla, A., & Costantini, M. (2017). The role of expectation in multisensory body representation - neural evidence. *European Journal of Neuroscience, 46*(3), 1897-1905. doi:10.1111/ejn.13629

Finotti, G., & Costantini, M. (2016). Multisensory body representation in autoimmune diseases. *Scientific Reports, 6*: 21074. doi:10.1038/srep21074

Ferri, F., Tajadura-Jiménez, A., Väljamäe, A., Vastano, R., & Costantini, M. (2015). Emotion-inducing approaching sounds shape the boundaries of multisensory peripersonal space. *Neuropsychologia, 70*:4 768-75. doi:10.1016/j.neuropsychologia.2015.03.001

Costantini, M. (2014). Body perception, awareness, and illusions. *Wiley Interdisciplinary Reviews: Cognitive Science, 5*(5), 551–560. doi:10.1002/wcs.1309

Costantini, M., Frassinetti, F., Maini, M., Ambrosini, E., Gallese, V., & Sinigaglia, C. (2014). When a laser pen becomes a stick: remapping of space by tool-use observation in hemispatial neglect. *Experimental Brain Research, 232*, 3233–3241. doi:10.1007/s00221-014-4012-z

Ferri, F., Chiarelli, A.M., Merla, A., Gallese, V., & Costantini, M. (2013). The body beyond the body: expectation of a sensory event is enough to induce ownership over a fake hand. *Proceedings of the Royal Society B: Biological Sciences, 280*, 1-7. doi:10.1098/rspb.2013.1140

46/12 – "Motivational intensity in the prefrontal cortex"
Investigadores/*Researchers*: Stephen Fairclough, Christopher Burns
Instituição/*Institution*: School of Natural Sciences and Psychology, Liverpool John Moores University (UK)
Duração/*Duration*: 2013/03 – 2014/07

Peer-reviewed publications

Fairclough, S., Burns, C., & Kreplin, U. (2018). FNIRS activity in the prefrontal cortex and motivational intensity: impact of working memory load, financial reward, and correlation-based signal improvement. *Neurophoton, 5*(3), 035001. doi:10.1117/1.NPh.5.3.035001

51/12 – "The interpretation and evaluation of meaningful coincidences suggestive of psi communication in everyday life"
Investigadores/*Researchers*: Robin Wooffitt, Germaine Gunther
Instituição/*Institution*: Anomalous Experiences Research Unit, Dep. of Sociology, University of York (UK)
Duração/*Duration*: 2013/09 – 2018/01

Peer-reviewed publications

Stockbridge, G., & Wooffitt, R. (2019). Coincidence by design. *Qualitative Research, 19*(4), 437–454. doi:10.1177/1468794118773238

Wooffitt, R. (2019). Poetic confluence: A sociological analysis of an enigmatic moment. *Psychoanalytic Dialogues, 29*(3), 328–345. doi:10.1080/10481885.2019.1614838

Wooffitt, R. (2018). Poetic confluence and the public formulation of others' private matters. *Sociological Research Online, 23*(3), 687–704. doi:10.1177/1360780418778860

Wooffitt, R. (2018). Shared subjectivities: enigmatic moments and mundane intimacies. *Subjectivity, 11*(1), 40–56. doi:10.1057/s41286-017-0041-y

52/12 – "The embodied experience of time: modulations of mindfulness meditation"
Investigadores/*Researchers*: Marc Christoph Wittmann, Karin Meissner, Stefan Schmidt
Instituição/*Institution*: Institute for Frontier Areas of Psychology and Mental Health, Freiburg, Institute of Medical Psychology, University of Munich - LMU (Germany)
Duração/*Duration*: 2013/05 – 2015/01

Peer-reviewed publications

Wittmann, M. (2020). Altered states of conscious self and time during meditation. *International Journal for the Study of Chan Buddhism and Human Civilization, 7*, 27-39.

Otten, S., Schötz, E., Wittmann, M., Kohls, N., Schmidt, S., & Meissner, K. (2015). Psychophysiology of duration estimation in experienced mindfulness meditators and matched controls. *Frontiers in Psychology, 6*: 1215. doi:10.3389/fpsyg.2015.01215

Schötz, E., Otten, S., Wittmann, M., Schmidt, S., Kohls, N., & Meissner, K. (2015). Time perception, mindfulness and attentional capacities in transcendental meditators and matched controls. *Personality and Individual Differences*. doi:10.1016/j.paid.2015.10.023

Wittmann, M. (2015). Modulations of the experience of self and time. *Consciousness and Cognition, 38*, 172–181. doi:10.1016/j.concog.2015.06.008

Wittmann, M., Otten, S., Schötz, E., Sarikaya, A., Lehnen, H., Jo, H. -G., Kohls, N., Schmidt, S., & Meissner, K. (2015) Subjective expansion of extended time-spans in experienced meditators. *Frontiers in Psychology, 5*: 1586. doi:10.3389/fpsyg.2014.01586

Jo, H. -G., Wittmann, M., Hinterberger, T., & Schmidt, S. (2014). The readiness potential reflects intentional binding. *Frontiers in Human Neuroscience, 8*: 421. doi:10.3389/fnhum.2014.00421

53/12 – "Libet revisited - The effects of mindfulness meditation training on voluntary action and on time perception: a controlled study with experienced meditators"
Investigadores/*Researchers:* Stefan Schmidt, Han-Gue Jo, Marc Christoph Wittmann
Instituição/*Institution:* Dep. of Psychosomatic Medicine, University Medical Center Freiburg (Germany)
Duração/*Duration*: 2013/05 – 2015/03

Peer-reviewed publications

Jo, H.-G., Hinterberger, T., Wittmann, M., & Schmidt, S. (2016). Rolandic beta-band activity correlates with decision time to move. *Neuroscience Letters, 616*, 119–124. doi:10.1016/j.neulet.2016.01.051

Jo, H. -G., Hinterberger, T., Wittmann, M., & Schmidt, S. (2015). Do meditators have higher awareness of their intentions to act? *Cortex, 65*, 149–158. doi:10.1016/j.cortex.2014.12.015

Jo, H. -G., Wittmann, M., Hinterberger, T., & Schmidt, S. (2014). The readiness potential reflects intentional binding. *Frontiers in Human Neuroscience, 8*: 421. doi:10.3389/fnhum.2014.00421

54/12 – "A rasch scaling validation of a core "Near-Death Experience (NDE)": A critical replication and extension"
Investigadores/*Researchers*: Rense Lange
Instituição/Institution: Integrated Knowledge Systems, Inc., Illinois (USA)
Duração/*Duration*: 2013/02 – 2014/03

Peer-reviewed publications

Houran, J., Lange, R., & Greyson, B. (2017). Exploring linguistic patterns in NDE accounts. *Journal of the Society for Psychical Research, 81*(4), 228-240.

Lange, R., Greyson, B., & Houran, J. (2015). Using Computational Linguistics to Understand Near-Death Experiences: Concurrent Validity for the Near-Death Experience Scale. *Psychology of Consciousness: Theory, Research, and Practice, 19*. doi:10.1037/cns0000040

56/12 – "Psychophysical interactions with a single-photon double-slit optical system"
Investigadores/*Researchers*: Dean Radin, Arnaud Delorme, Leena Michel
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma (USA)
Duração/*Duration*: 2013/06 – 2015/02

Peer-reviewed publications

Radin, D., Wahbeh, H., Michel, L., & Delorme, A. (2021). Psychophysical interactions with a double-slit interference pattern: Exploratory evidence of a causal influence. *Physics Essays, 34*(1), 79-88. doi:10.4006/0836-1398-34.1.79

Radin, D., Michel, L., Pierce, A., & Delorme, A. (2015). Psychophysical interactions with a single-photon double-slit optical system. *Quantum Biosystems*, *6*(1), 82-98.

57/12 – "Neurophysiological mechanisms of aging: Novel view of old concepts"
Investigadores/*Researchers*: Maria José de Oliveira Diógenes Nogueira, Alexandre de Mendoça, Antonina Pereira, Bruno Teixeira da Silva, Raquel Dias
Instituição/*Institution*: Instituto de Medicina Molecular, Lisboa (Portugal)
Duração/*Duration*: 2014/03 – 2017/01

Peer-reviewed publications

Pinto, J., Vale, R., Batalha, V. L., Costenla, A. R., Dias, R., Rombo, D., Sebastião, A., de Mendonça, A., & Diógenes, M. J. (2017). Enhanced LTP in aged rats: Detrimental or compensatory? *Neuropharmacology, 114*, 12–19. doi:10.1016/j.neuropharm.2016.11.017

60/12 – "To see or not to see? Hallucinations in multidisciplinary perspective"
Investigadores/*Researchers*: Mattia Riccardi, Frank Larøi, Sofia Miguens, Tommaso Piazza, Ana Pinheiro, João Pinto, Manuela Teles, Charles Travis
Instituição/*Institution*: Instituto de Filosofia, Faculdade de Letras da Universidade do Porto - FLUP (Portugal)
Duração/*Duration*: 2013/09 – 2015/07

Peer-reviewed publications

Riccardi, M. (2019). Perceptual presence: An attentional account. *Synthese, 196*(7), 2907-2926. doi:10.1007/s11229-017-1588-4

Piazza, T. (2016). Counterfeiting perceptual experience: Scepticism, internalism, and the disjunctive conception of experience. *Journal of Consciousness Studies. Special Issue on Hallucinations, 23*(7-8), 100-131.

Riccardi, M., & Larøi, F. (2016). Editorial Introduction. *Journal of Consciousness Studies. Special Issue on Hallucinations, 23*(7-8), 9-22.

63/12 – "Forefeeling guilty knowledge - An innovative approach in presentiment research"
Investigadores/*Researchers*: Wolfgang Ambach, Alexander Siller
Instituição/*Institution*: Institute for Frontier Areas of Psychology and Mental Health (IGPP), Freiburg (Germany)
Duração/*Duration*: 2013/03 – 2016/02

Peer-reviewed publications

Siller, A., Ambach, W., & Vaitl, D. (2015). Investigating expectation effects using multiple physiological measures. *Frontiers in Psychology, 6*:1553. doi:10.3389/fpsyg.2015.01553

64/12 – "Hematological and psychophysiological correlates of anomalous information reception in mediums"
Investigadores/*Researchers*: Julie Beischel, Shawn Tassone, Mark Boccuzzi
Instituição/*Institution*: The Windbridge Institute for Applied Research in Human Potential, Tucson (USA)
Duração/*Duration*: 2013/05 – 2015/06

Peer-reviewed publications

Beischel, J., Tassone, S., & Boccuzzi, M. (2019). Hematological and psychophysiological correlates of anomalous information reception in mediums: A preliminary exploration. *EXPLORE: The Journal of Science & Healing, 15*(2), 126-133. doi:10.1016/j.explore.2018.04.009

66/12 – "Body and soul: A computational neurophysiological and qualitative investigation of Ganzfeld-induced imagery"
Investigadores/*Researchers*: Alexander Sumich, Daniel Wilson, Nicholas Blagden
Instituição/*Institution*: Nottingham Trent University (NTU), Division of Psychology (UK)
Duração/*Duration*: 2013/04 – 2017/09

Peer-reviewed publications

Zandbagleh, A., Mirzakuchaki, S., Daliri, M. R., Sumich, A., Anderson, J. D., & Sanei, S. (2023). Graph-based analysis of EEG for schizotypy classification applying flicker Ganzfeld stimulation. *Schizophrenia, 9*(1), 64. doi:10.1038/s41537-023-00395-4

Sumich, A., Anderson, J. D., Howard, C. J., Heym, N., Castro, A., Baker, J., & Belmonte, M. K. (2018). Reduction in lower-alpha power during Ganzfeld flicker stimulation is associated with the production of imagery and trait positive schizotypy. *Neuropsychologia, 121*, 79-87. doi:10.1016/j.neuropsychologia.2018.11.004

72/12 – "The psychophysiology of human attachment and stress"
Investigadores/*Researchers*: Angela Clow, Lisa Thorn, Andrea Oskis, Nina Smyth
Instituição/*Institution*: Department of Psychology, University of Westminster, London (UK)
Duração/*Duration*: 2013/10 – 2015/09

Peer-reviewed publications

Oskis, A., Smyth, N., Flynn, M., & Clow, A. (2019). Repressors exhibit lower cortisol reactivity to group psychosocial stress. *Psychoneuroendocrinology, 103*, 33-40. doi:10.1016/j.psyneuen.2018.12.220

Wood, C. J., Clow, A., Hucklebridge, F., Law, R., & Smyth, N. (2018). Physical fitness and prior physical activity are both associated with less cortisol secretion during psychosocial stress. *Anxiety, Stress, & Coping, 31*(2), 135-145. doi:10.1080/10615806.2017.1390083

Ramachandran, N., Smyth, N., Thorn, L., Eardley, A., Evans, P., & Clow, A. (2016). Relationship between post-awakening salivary cortisol and melatonin secretion in healthy participants. *Stress: The International Journal on the Biology of Stress*. doi:10.3109/10253890.2016.1146671

Smyth, N., Thorn, L., Hucklebridge, F., Clow, A., & Evans, P. (2016). Assessment of the cortisol awakening response: Real-time analysis and curvilinear effects of sample timing inaccuracy. *Psychoneuroendocrinology, 74*, 380-386. doi:10.1016/j.psyneuen.2016.09.026

Smyth, N., Thorn, L., Oskis, A., Hucklebridge, F., Evans, P., & Clow, A. (2015). Anxious attachment style predicts an enhanced cortisol response to group psychosocial stress. *Stress*. doi:10.3109/10253890.2015.1021676

74/12 – "Mechanisms of self-other distinction in mirror-touch synaesthesia"
Investigadores/*Researchers*: Michael Joseph Banissy, James Moore
Instituição/*Institution*: Department of Psychology, Goldsmiths University of London (UK)
Duração/*Duration*: 2013/10 – 2016/04

Peer-reviewed publications

Rigato, S., Banissy, M. J., Romanska, A., Thomas, R., van Velzen, J., & Bremner, A. (2019). Cortical signatures of vicarious tactile experience in four-month-old human infants. Current Biology. *Developmental Cognitive Neuroscience, 35*, 75-80. doi:10.1016/j.dcn.2017.09.003

Cioffi, M.C., Cocchini, G., Banissy, M. J., & Moore, J. W. (2017). Ageing and agency: age-related changes in susceptibility to illusory experiences of control. *Royal Society Open Science, 4*(5): 161065. doi:10.1098/rsos.161065

Grice-Jackson, T., Critchley, H. D., Banissy, M. J., & Ward, J. (2017). Common and distinct neural mechanisms associated with the conscious experience of vicarious pain. *Cortex, 94*, 152-163. doi:10.1016/j.cortex.2017.06.015

Janik McErlean, A. B., & Banissy, M. J. (2017). Color processing in synesthesia: What synesthesia can and cannot tell us about mechanisms of color processing. *Topics in Cognitive Science, 9*(1), 215-227. doi:10.1111/tops.12237

Janik McErlean, A. B., Susilo, T., Rezlescu, C., Bray, A., & Banissy, M. J. (2016). Social perception in synaesthesia for colour. *Cognitive Neuropsychology, 33(7-8),* 378-387. doi:10.1080/02643294.2016.1261820

Janik, A. B., & Banissy, M. (2016). Examining the relationship between schizotypy and self-reported visual imagery vividness in grapheme-color synaesthesia. *Frontiers in Psychology, 7*: 131. doi:10.3389/fpsyg.2016.00131

Cioffi, M., Banissy, M., & Moore, J. (2015). Am I moving?' An illusion of agency and ownership in mirror-touch synaesthesia. *Cognition, 146*, 426-430. doi:10.1016/j.cognition.2015.10.020

Santiesteban, I., Bird, G., Tew, O., Cioffi, M., & Banissy, M. J. (2015). Mirror-touch synaesthesia: Difficulties inhibiting the other. *Cortex, 71*, 116-121. doi:10.1016/j.cortex.2015.06.019

Ward, J., & Banissy, M.J. (2015). Explaining mirror-touch synesthesia. *Cognitive Neuroscience, 6*, 118-133. doi:10.1016/j.cognition.2015.10.020

Cioffi, M., Moore, J., & Banissy, M. (2014). What can mirror-touch synaesthesia tell us about the sense of agency? *Frontiers in Human Neuroscience, 8*: 256. doi:10.3389/fnhum.2014.00256

Banissy, M., & Ward, J. (2013). Mechanisms of self-other representations and vicarious experiences of touch in mirror-touch synesthesia. *Frontiers in Human Neuroscience, 7*: 112. doi:10.3389/fnhum.2013.00112

77/12 – "**Human motor re-learning – The use of sensor information fusion"**
Investigadores/*Researchers*: Sandra Maria Caldas da Silva Mouta, Miguel Velhote Correia, Carolina Vila-Chã, Cláudia Silva, Ana Silva, Carla Borges, António Salazar, Dominic Noy
Instituição/*Institution*: INESC - Porto (Portugal)
Duração/*Duration:* 2013/06 – 2015/09

Peer-reviewed publications

Quesque, F., Ruggiero, G., Mouta, S., Santos, J., Iachini, T., & Coello, Y. (2017). Keeping you at arm's length: modifying peripersonal space influences interpersonal distance. *Psychological Research, 81*, 709-720. doi:10.1007/s00426-016-0782-1

Silva, R. M., Sousa, E., Fonseca, P., Pinheiro, A. R., Silva, C., Correia, V. M., & Mouta, S. (2016). Analysis and quantification of upper-limb movement in motor rehabilitation after stroke. *Converging Clinical and Engineering Research on Neurorehabilitation II: Proceedings of the 3rd International Conference on NeuroRehabilitation (ICNR2016), October 18-21, 2016, Segovia, Spain* (pp. 209-213). doi:10.1007/978-3-319-46669-9_37

83/12 – "The impact of future relevance on dream content and sleep-dependent memory processing"
Investigadores/*Researchers*: Erin J. Wamsley, Robert Stickgold, Nam Nguyen
Instituição/*Institution*: Furman University, Greenville (USA)
Duração/*Duration*: 2013/05 – 2016/11

Peer-reviewed publications

Wamsley, E. J. (2022) Constructive episodic simulation in dreams. *PLoS ONE, 17*(3), e0264574. doi:10.1371/journal.pone.0264574

Wamsley, E. (2019). Memory consolidation during waking rest. *Trends in Cognitive Sciences, 23*(3), 171-173. doi:10.1016/j.tics.2018.12.007

Wamsley, E., Hamilton, K., Graveline, Y., Manceor, S., & Parr, E. (2016). Test expectation enhances memory consolidation across both sleep and wake. *PLoS ONE, 11*(10): e0165141. doi:10.1371/journal.pone.0165141

Wamsley, E. J. (2014). Dreaming and offline memory consolidation. *Current Neurology and Neuroscience Reports, 14*(3): 433. doi:10.1007/s11910-013-0433-5

84/12 – "Neural bases of time processing: combining neuroimaging techniques and clinical evidence"
Investigadores/*Researcher*s: Patrizia Bisiacchi, Gianna Maria Toffolo, Vincenza Tarantino, Elias Casula, Giovanni Mento, Demis Basso
Instituição/*Institution*: Dipartimento di Psicologia Generale, Università di Padova (Italy)
Duração/*Duration*: 2013/03 – 2016/04

Peer-reviewed publications

Casula, E. P., Bertoldo, A., Tarantino, V., Maiella, M., Koch, G., Rothwell, J. C., Toffolo, G. M., & Bisiacchi, P. S. (2017). TMS-evoked long-lasting artefacts: A new adaptive algorithm for EEG signal correction. *Clinical Neurophysiology, 128*(9), 1563-1574. doi:10.1016/j.clinph.2017.06.003

Cavazzana, A., Begliomini, C., & Bisiacchi, P. S. (2017). Intentional binding as a marker of agency across the lifespan. *Consciousness and Cognition, 52*, 104-114. doi:10.1016/j.concog.2017.04.016

Cappon, D., D'Ostilio, K., Garraux, G., Rothwell, J. C., & Bisiacchi, P. (2016). Effects of 10Hz and 20Hz transcranial alternating current stimulation on automatic motor control. *Brain stimulation, 9*(4), 518-524. doi:10.1016/j.brs.2016.01.001

Cappon, D., Jahanshahi, M., & Bisiacchi, P. (2016). Value and Efficacy of Transcranial Direct Current Stimulation in the Cognitive Rehabilitation: A Critical Review Since 2000. *Frontiers in Neuroscience, 10*, 157. doi:10.3389/fnins.2016.00157

Cona, G., Bisiacchi, P., Scarpazza, C., & Sartori, G. (2016). Effects of cue focality on the neural mechanisms of prospective memory: A meta-analysis of neuroimaging studies. *Scientific Reports, 6*, 25983. doi:10.1038/srep25983

Mioni, G., Grassi, M., Tarantino, V., Stablum, F., Grondin, S., & Bisiacchi, P. S. (2016). The impact of a concurrent motor task on auditory and visual temporal discrimination tasks. Attention, Perception, & Psychophysics, 78(3), 742-748. doi:10.3758/s13414-016-1082-y

Cappon, D., D'Ostilio, K., Garraux, G., Rothwell, J. C., & Bisiacchi, P. (2015). Cortical modulation of automatic facilitation and inhibition by 10hz and 20hz transcranial alternating current stimulation *Brain stimulation, 8(2)*, 356-357. doi:10.1016/j.brs.2015.01.149

Cavazzana, A., Penolazzi, B., Begliomini, C., & Bisiacchi, P. (2015). Neural underpinnings of the "agent brain": new evidence from transcranial direct current stimulation. *European Journal of Neuroscience, 42*(3), 1889–1894. doi:10.1111/ejn.12937

Cona, G., Arcara, G., Tarantino, V., & Bisiacchi, P. (2015). Does predictability matter? Effects of cue predictability on neurocognitive mechanisms underlying prospective memory. *Frontiers in Human* Neurosciences, *9*:188. doi:10.3389/fnhum.2015.00188

Cona, G., Kliegel, M., & Bisiacchi, P. (2015). Differential effects of emotional cues on components of prospective memory: An ERP study. *Frontiers in Human Neuroscience, 9*:10. doi:10.3389/fnhum.2015.00010

Cona, G., Scarpazza, C., Sartori, G., Moskovitch, M., & Bisiacchi P. S. (2015). Neural bases of prospective memory: A meta-analysis and the "Attention to Delayed Intention" (AtoDI) model. *Neuroscience & Biobehavioral Reviews, 52*, 21-37.doi:10.1016/j.neubiorev.2015.02.007

Mento, G., Tarantino, V., Vallesi, A., & Bisiacchi, P. (2015). Spatiotemporal neurodynamics underlying internally and externally driven temporal prediction: A high spatial resolution ERP study. *Journal of Cognitive Neuroscience*, *27*(3), 425-439. doi:10.1162/jocn_a_00715

Bisiacchi, P., Cona, G., Tarantino, V., Schiff, S., Montagnese, S., Amodio, P., & Capizzi, G. (2014). Assessing inter- and intra-individual cognitive variability in patients at risk for cognitive impairment: the case of minimal hepatic encephalopathy. *Metabolic Brain Disease, 29*(4), 945-953. doi:10.1007/s11011-014-9529-0

Casula, E., Tarantino, V., Basso, D., Arcara, G., Marino, G., Toffolo, G., Rothwell, J. C., & Bisiacchi, P. (2014). Low-frequency rTMS inhibitory effects in the primary motor cortex: Insights from TMS-evoked potentials. *NeuroImage, 98*, 225-232. doi:10.1016/j.neuroimage.2014.04.065

Cavazzana, A., Begliomini, C., & Bisiacchi, P. (2014). Intentional binding effect in children: insights from a new paradigm. *Frontiers in Human Neurosciences, 8*:651. doi:10.3389/fnhum.2014.00651

Correa, Á., Cona, G., Arbula, S., Vallesi, A., & Bisiacchi, P. (2014). Neural dissociation of automatic and controlled temporal preparation by transcranial magnetic stimulation. *Neuropsychologia, 65*, 131-136. doi:10.1016/j.neuropsychologia.2014.10.023

87/12 – "Neurobiological correlates of empathy in couples: A study of central and peripheral measures"

Investigadores/*Researchers*: Joana Fernandes Pereira Coutinho, Cledna Patricia de Oliveira Silva, Jean Decety, Kristin Perrone McGovern, Óscar Filipe Coelho Neves Gonçalves, Vânia Andrea Sousa Gonçalves Moreira de Lima

Instituição/*Institution*: Centro de Investigação em Psicologia, Escola de Psicologia, Universidade do Minho, Braga (Portugal)

Duração/*Duration*: 2013/05 – 2017/07

Peer-reviewed publications

Lourenço, V., Serra, J., Coutinho, J., & Pereira, A. F. (2023). Turn-taking in free-play interactions: A cross-sectional study from 3 to 5 years. *Cognition, 239*, 105568. doi:10.1016/j.cognition.2023.105568

Oliveira-Silva, P., Maia, L., Coutinho, J., Moreno, A. F., Penalba, L., Frank, B., Soares, J. M., Sampaio, A., & Gonçalves, Ó. F. (2023). Nodes of the default mode network implicated in the quality of empathic responses: A clinical perspective of the empathic response. *International Journal of Clinical and Health Psychology, 23*(1), 100319. doi:10.1016/j.ijchp.2022.100319

Coutinho, J., Pereira, A., Oliveira-Silva, P., Meier, D., Lourenço, V., & Tschacher, W. (2021). When our hearts beat together: Cardiac synchrony as an entry point to understand dyadic co-regulation in couples. *Psychophysiology, 58*(3): e13739. doi:10.1111/psyp.13739

Lourenço, V., Coutinho, J., & Pereira, A. F. (2021). Advances in microanalysis: Magnifying the social microscope on mother-infant interactions. *Infant Behavior and Development, 64*: 101571. doi:10.1016/j.infbeh.2021.101571

Lourenço, V., Pereira, A. F., Sampaio, A., & Coutinho, J. (2021). Turn-taking in object-oriented and face-to-face interactions: A longitudinal study at 7 and 12 months. *Psychology & Neuroscience*. doi:10.1037/pne0000276

Esménio, S., Soares, J. M., Oliveira-Silva, P., Gonçalves, Ó. F., Friston, K., & Coutinho, J. F. (2020). Changes in the effective connectivity of the social brain when making inferences about close others vs. the self. *Frontiers in Human Neurosciences, 14*: 151. doi:10.3389/fnhum.2020.00151

Esménio, S., Soares, J. M., Oliveira-Silva, P., Gonçalves, O. F., Decety, J., & Coutinho, J. (2019). Brain circuits involved in understanding our own and other´s internal states in the context of romantic relationships. *Social Neuroscience*, *14*(6), 729-738. doi:10.1080/17470919.2019.1586758

Esménio, S., Soares, J. M., Oliveira-Silva, P., Zeidman, P., Razi, A., Gonçalves, O. F., Friston, K., & Coutinho, J. (2019). Using resting-state DMN effective connectivity to characterize the neurofunctional architecture of empathy. *Scientific Reports, 9*: 2603. doi:10.1038/s41598-019-38801-6

Coutinho, J., Oliveira-Silva, P., Fernandes, E., Gonçalves, O. F., Correia, D., Mc-Govern, K. P., & Tschacher W. (2018). Psychophysiological synchrony during verbal interaction in romantic relationships. *Family Process*. doi:10.1111/famp.12371

Queirós, A., Fernandes, E., Reniers, R., Sampaio, A., Coutinho, J., & Seara-Cardoso, A. (2018). Psychometric properties of the questionnaire of cognitive and affective empathy in a Portuguese sample. *PLoS ONE, 13*(6): e0197755. doi:10.1371/journal.pone.0197755

Oliveira-Silva, P., Maia, L., Coutinho, J., Frank, B., Soares, J. M., Sampaio, A., & Gonçalves, Ó. F. (2018). Empathy by default: Correlates in the brain at rest. *Psicothema, 30*(1), 97-103. doi:10.7334/psicothema2016.366

Coutinho, J., Perrone-McGovern, K.M., & Gonçalves, O. F. (2017). The Use of Neuroimaging Methodology in Counselling Psychology Research: Promises, Pitfalls, and Recommendations. *Canadian Journal of Counselling and Psychotherapy, 51*(4), 327–348

Coutinho, J., Oliveira-Silva, P., Mesquita, A., Barbosa, M., Perrone-McGovern, K., & Gonçalves, O. F., (2017). Psychophysiological reactivity in couples during a marital interaction task. *Applied Psychophysiology and Biofeedback*. doi:10.1007/s10484-017-9380-2

Coutinho, J., Goncalves, O. F., Soares, J. M., Marques, P., & Sampaio, A. (2016). Alterations of the default mode network connectivity in obsessive-compulsive personality disorder: A pilot study. *Psychiatry Research: Neuroimaging, 256*, 1-7. doi:10.1016/j.pscychresns.2016.08.007

Coutinho, J., Beiramar, A., Silva, C., Calvo, A., Lima, V., Grace, R., Oliveira-Silva, P., Gonçalves, O., & Sampaio, A. (2015). Evidências de validade da Versão Portuguesa do Índice de Reatividade Interpessoal para Avaliação da Empatia em Casais. *Avaliação Psicológica,14*(3), 309-317. doi:10.15689/ap.2015.1403.02

Coutinho, J., Fernandes, S., Soares, J. M., Maia, L., Gonçalves, O. F., & Sampaio A. (2015). Default mode network dissociation in depressive and anxiety states. *Brain Imaging and Behavior, 10*(1), 147-157. doi:10.1007/s11682-015-9375-7

Coutinho, J., Gonçalves, O. F., Maia, L., Vasconcelos, C., Perrone-McGovern K., Simon-Dack, S., Hernandez, K., Oliveira-Silva, P., Mesquita, A., & Sampaio, A. (2014). Differential activation of the default mode network in jet lagged individuals. *Cronobiology International, 32*(1), 143-149. doi:10.3109/07420528.2014.955187

Coutinho, J., Silva, P., & Decety, J. (2014). Neurosciences, empathy, and healthy interpersonal relationships: recent findings and implications for counseling. *Journal of Counseling Psychology, 61*(4), 541-548. doi. 10.1037/cou0000021

Gonçalves, O. F., Sampaio, A., Mesquita, A., Petrosyan, A., Pinheiro, A., Carvalho, S., Leite J., Coutinho, J., Osório, A., & Oliveira-Silva, P. (2014). A psicologia como neurociência

cognitiva: Implicações para a compreensão dos processos básicos e suas aplicações. *Análise Psicológica, 32*(1), 3-25. doi:10.14417/ap.836

89/12 – "Interaction of medial and lateral temporal lobe in memory expression: insights from patient and fMRI data"
Investigadores/*Researchers*: Ana Luísa Nunes Raposo, José Frederico Henzler Ferreira Marques, José Guilherme Cortez Pimentel
Instituição/*Institution*: Faculdade de Psicologia, Universidade de Lisboa (Portugal)
Duração/*Duration*: 2013/04 – 2016/01

Peer-reviewed publications

Santi, A., Raposo, A. & Marques, J. F. (2015). Superordinate and domain category structure: evidence from typicality ratings. *Revista Portuguesa de Psicologia, 44*, 81-108. doi:10.21631/rpp44_81

Alves, M. & Raposo, A. (2014). Is it a bird? Differential effects of concept typicality on semantic memory and episodic recollection. *Revista Portuguesa de Psicologia, 44*, 65-79. doi:10.21631/rpp44_65

91/12 – "Psychophysiological studies into task-set inertia in switching paradigms"
Investigadores/*Researchers*: Lisa Evans, Edward Wilding
Instituição/*Institution*: School of Psychology, Cardiff University (UK)
Duração/*Duration*: 2013/04 – 2014/11

Peer-reviewed publications

Herron, J., & Evans, L. H. (2018). Preparation breeds success: Brain activity predicts remembering. *Cortex, 106*, 1-11. doi:10.1016/j.cortex.2018.04.009

Evans, L., Herron, J., & Wilding, E. (2015). Direct real-time neural evidence for task-set inertia. *Psychological Science*, 1-7. doi:10.1177/0956797614561799

Evans, L., Williams, A., & Wilding, E. (2015). Electrophysiological evidence for retrieval mode immediately after a task switch. *NeuroImage, 108*, 435-440.

94/12 – "Prefrontal electrical stimulation in non-depressed reduces levels of reported negative affects from daily stressors"
Investigadores/*Researchers*: Frederic Boy, Adelaide Austin
Instituição/*Institution*: Wales Institute of Cognitive Neuroscience, Department of Psychology, College of Human and Health Sciences, Swansea University and Institute of Life Science (ILS2) – Imaging Centre, College of Medicine (UK)
Duração/*Duration*: 2014/01 – 2017/05

Peer-reviewed publications

Austin, A., Jiga-Boy, G. M., Rea, S., Newstead, S. A., Roderick, S., Davis, N. J., Clement, R. M., & Boy, F. (2016). Prefrontal electrical stimulation in non-depressed reduces levels of reported negative affects from daily stressors. *Frontiers in Psychology, 7*: 315. doi:10.3389/fpsyg.2016.00315

Boy, F., & Sumner, P. (2014). Visibility predicts priming within but not between people: a cautionary tale for studies of cognitive individual differences. *Journal of Experimental Psychology: General, 143*(3), 1011-1025. doi:10.1037/a003488

103/12 – "Psychological and psychophysiological factors in sexual desire and behaviour"
Investigadores/*Researchers*: Rui Miguel dos Santos Amaro da Costa, Tânia F. Oliveira
Instituição/*Institution* ISPA - Instituto Universitário, Lisboa (Portugal)
Duração/*Duration*: 2013/04 – 2015/06

Peer-reviewed publications

Costa, R. M., Mangia, P., Pestana, J., & Costa, D. (2021). Heart rate variability and erectile function in younger men: A pilot study. *Applied Psychophysiology and Biofeedback*. doi:10.1007/s10484-020-09499-4

Costa, R. M., Oliveira, G., Pestana, J., Costa, D., & Oliveira, R. F. (2019). Do psychosocial factors moderate the relation between testosterone and female sexual desire? The role of interoception, alexithymia, defense mechanisms, and relationship status. *Adaptive Human Behavior and Physiology, 5*(1), 13-30. doi:10.1007/s40750-018-0102-7

Costa, R. M., Pestana, J., & Costa, D. (2018). Self-transcendence, sexual desire, and sexual frequency. *Journal of Sex and Marital Therapy, 44*(1), 56-60. doi:10.1080/0092623X.2017.1314397

Costa, R. M., Pestana, J., Costa, D., & Wittmann, M. (2017). Women's finger pressure sensitivity at rest and recalled body awareness during partnered sexual activity. *International Journal of Impotence Research, 29*, 157-159. doi:10.1038/ijir.2017.13

Costa, R. M., Oliveira, T. F., Pestana, J., & Costa, D. (2016). Self-transcendence is related to higher female sexual desire. *Personality and Individual Differences, 96*, 191-197. doi:10.1016/j.paid.2016.02.078.

Costa, R. M., Pestana, J., Costa, D., & Wittmann, M. (2016). Altered states of consciousness are related to higher sexual responsiveness. *Consciousness and Cognition, 42*, 135-141. doi:10.1016/j.concog.2016.03.013

Costa, R. M., & Oliveira, T. (2014). Interoceptive awareness and resting heart rate variability in women. In D. Dumitrascu & W. Soellner (Eds), *Proceedings of EAPM 2014. Annual Meeting of the European Association of Psychosomatic Medicine, Sibiu* (pp. 64-67). Bologna, Italy: Medimond - International Proceedings.

108/12 – "Clinical parapsychology: Counselling experiences of clients who report anomalous experiences and the training needs of therapists"

Investigador/*Researcher*: Elizabeth Roxburgh

Instituição/*Institution*: Centre for the Study of Anomalous Psychological Processes (CSAPP), Division of Psychology, School of Social Sciences, The University of Northampton (UK)

Duração/*Duration*: 2013/07 – 2015/10

Peer-reviewed publications

Roxburgh, E. C., & Evenden, R. E. (2016). "It's about having exposure to this": Investigating the training needs of therapists in relation to the issue of anomalous experiences. *British Journal of Guidance and Counselling*. doi:10.1080/03069885.2016.1213375

Roxburgh, E. C., & Evenden, R. E. (2016). "Most people think you're a fruit loop": Clients' experiences of seeking support for anomalous experiences. *Counselling and Psychotherapy Research, 16*, 211-221. doi:10.1002/capr.12077

Roxburgh, E. C., & Evenden, R. E. (2016). "They daren't tell people": Therapists experiences of working with clients who report anomalous experiences [Special Issue: 'What is paranormal: Some implications for the psychological therapies?']. *European Journal of Psychotherapy and Counselling, 18*, 123-141. doi:10.1080/13642537.2016.1170059

112/12 – "Retinotopic reorganization of the auditory cortex of congenitally deaf individuals due to neuroplascticity"

Investigadores/*Researchers*: Jorge Manuel Castelo Branco de Albuquerque Almeida, Bradford Zack Mahon, Yanchao Bi, Óscar Filipe Coelho Neves Gonçalves

Instituição/*Institution*: Faculdade de Psicologia e Ciências da Educação, Universidade de Coimbra (Portugal)

Duração/Duration: 2013/05 – 2015/11

Peer-reviewed publications

Almeida, J., Nunes, G., Marques, J. F., & Marques, J. F. (2018). Compensatory plasticity in the congenitally deaf for visual tasks is restricted to the horizontal plane. *Journal of Experimental Psychology: General, 147*(6), 924-932. doi:10.1037/xge0000447

Amaral, L., Ganho, A., Osório, A., He, D., Chen, Q., Mahon, B.Z., Gonçalves, O.F., Sampaio, A., Fang, F., Bi, Y. & Almeida, J. (2016). Hemispheric asymmetries in subcortical visual and auditory relay structures in congenital deafness. *European Journal of Neuroscience, 44*(6), 2334-2339. doi:10.1111/ejn.13340. doi:10.1111/ejn.13340

Striem-Amit, E., Almeida, J., Belledonne, M., Chen, Q., Yuxing, Y., Han, Z., Caramazza, A., & Bi, Y. (2016). Topographical functional connectivity patterns exist in the congenitally, prelingually deaf. *Scientific Reports, 6*: 29375. doi:10.1038/srep29375

Amaral, L. & Almeida, J. (2015). Neuroplasticity in congenital deaf humans. *Revista Portuguesa de Psicologia, 44*, 39-45.

Almeida, J., He, D., Chen, Q., Mahon, B. Z., Zhang, F., Gonçalves, O. F., Fang, F., & Bi, Y. (2015). Decoding visual location from neural patterns in the auditory cortex of the congenitally deaf. *Psychological Science, 26*(11), 1771-1782. doi:1177/0956797615598970

119/12 – "Dynamic cortical and nucleus accumbens networks in humans: combining intracranial and MEG recordings"
Investigadores/*Researchers*: Bryan Strange, Javier J. Gonzalez-Rosa, Juan A. Barcia, Stephan Moratti, Raffael Kaplan, Marijn Kroe
Instituição/*Institution*: Laboratory for Clinical Neuroscience, Centre for Biomedical Technology (CTB), Technology University of Madrid (UPM) and Fundación para la Investigación Biomédica del Hospital Clínico San Carlos - Universidad Complutense de Madrid. Instituto de Investigación Sanitario IdISSC (Spain)
Duração/D*uration*: 2013/06 – 2016/10

Peer-reviewed publications

Treu, S., Gonzalez-Rosa, J. J., Soto-Leon, V., Lozano-Soldevilla, D., Oliviero, A., Lopez-Sosa, F., …, Strange, B. A. (2021). A ventromedial prefrontal dysrhythmia in obsessive-compulsive disorder is attenuated by nucleus accumbens deep brain stimulation. *Brain Stimulation, 14*(4), 761-770. doi:10.1016/j.brs.2021.04.028

Méndez-Bértolo, C., Moratti, S., Toledano, R., Lopez-Sosa, F., Martínez-Alvarez, R., … Strange, B. (2016). A fast pathway for fear in human amygdala. *Nature Neuroscience*. doi:10.1038/nn.4324

Nachev, P., Lopez-Sosa, F., Gonzalez-Rosa, J., Galarza, A., Avecillas, J., ..., Strange, B. (2015). Dynamic risk control by human nucleus accumbens. *Brain, 138*(12), 3496-3502. doi:10.1093/brain/awv285

124/12 – "EEG correlates of mental entanglement at distance"
Investigadores/*Researchers*: Patrizio Tressoldi, Francesco Salvadori, Patrizio Caini, Simone Melloni, Giorgio Gagliardi, Mirko de Vita, Alessandro Ferrini
Instituição/*Institution*: Dipartimento di Psicologia Generale, Università di Padova and Laboratorio Interdisciplinare di Ricerca Biopsicocibernetica, Bologna (Italy)
Duração/*Duration*: 2013/03 – 2016/04

Peer-reviewed publications

Giroldini, W., Pederzoli, L., Bilucaglia, M., Melloni, S., & Tressoldi, P. (2016). A new method to detect event-related potentials based on Pearson's correlation. *EURASIP Journal on Bioinformatics and Systems Biology, 11*. doi:10.1186/s13637-016-0043-z

Giroldini, W., Pederzoli, L., Bilucaglia, M., Caini, P., Ferrini, A., Melloni, S., Prati, E., & Tressoldi, P. (2015). EEG correlates of social interaction at distance. *F1000Research, 4*:457. doi:10.12688/f1000research.6755.1

Tressoldi, P., Pederzoli, L., Bilucaglia, M., Caini, P., Fedele, P. ... Accardo, A. (2014). Brain-to-Brain (mind-to-mind) interaction at distance: a confirmatory study [v3; ref status: approved 1, not approved 1, http://f1000r.es/4ka]. *F1000Research, 3*:182. doi:10.12688/f1000research.4336.3

127/12 – "An investigation of the I Ching using the Q-Sort method and a PK-RNG design"
Investigador/*Researcher*: Lance Storm
Instituição/*Institution:* Brain and Cognition Centre, School of Psychology, University of Adelaide and Australian Institute of Parapsychological Research, Incorporated, Gladesville (Australia)
Duração/*Duration:* 2013/03 – 2014/06

Peer-reviewed publications

Storm, L., & Rock, A. J. (2014). An investigation of the I Ching using the Q-Sort Method and an RNG-PK design: II. The effect of reactance on psi. *Australian Journal of Parapsychology, 14*(2), 163-190.

Storm, L., & Rock, A. J. (2014). An Investigation of the I Ching using the Q-Sort Method and an RNG-PK design: I. Four Possible Psi Predictors. *Australian Journal of Parapsychology, 14*(1), 29-67.

130/12 – "Neural mechanisms of cognitive bias"
Investigadores/*Researchers*: Rui Filipe Nunes Pais de Oliveira, Ana Félix, Sara Cardoso
Instituição/*Institution*: ISPA, CRL, Lisboa and Instituto Gulbenkian de Ciência, Oeiras (Portugal)
Duração/*Duration*: 2013/09 – 2020/11

Peer-reviewed publications

Espigares, F., Abad-Tortosa, D., Varela, S. A. M., Ferreira, M. G., & Oliveira, R. F. (2021). Short telomeres drive pessimistic judgement bias in zebrafish. *Biology Letters, 17*(3): 20200745. doi:10.1098/rsbl.2020.0745

132/12 – "A direct test of the binding by synchrony hypothesis in humans: the neural correlates of coherent object perception"

Investigadores/*Researchers*: Miguel Castelo-Branco, Maria Ribeiro, João Duarte, Gabriel Costa
Instituição/*Institution*: IBILI, Faculdade de Medicina, Universidade de Coimbra (Portugal)
Duração/*Duration*: 2013/11 – 2016/01

Peer-reviewed publications

Cayolla, R., Biscaia, R., Baumeister, R. F., Chan, H.-Y., Duarte, I. C., & Castelo-Branco, M. (2024). Neural correlates of fanhood: The role of fan identity and team brand strength. *Frontiers in Human Neuroscience, 17*, 1235139. doi:10.3389/fnhum.2023.1235139

Duarte, I. C., Castelhano, J., Sales, F., & Castelo-Branco, M. (2016). The anterior versus posterior hippocampal oscillations debate in human spatial navigation: evidence from an electrocorticographic case study. *Brain and behavior, 6*(9), e00507. doi:10.1002/brb3.507

Intaite, M., Duarte, J., & Castelo-Branco, M. (2016). Working memory load influences perceptual ambiguity by competing for fronto-parietal attentional resources. *Brain Research, 1650*, 142-151. doi:10.1016/j.brainres.2016.08.044

Santos, S., Almeida, I., Oliveiros, B., & Castelo-Branco, M. (2016). The Role of the Amygdala in Facial Trustworthiness Processing: A Systematic Review and Meta-Analyses of fMRI Studies. *PloS one, 11*(11), e0167276. doi:10.1371/journal.pone.0167276

Almeida, I., Soares, S., & Castelo-Branco, M. (2015). The distinct role of the amygdala, superior colliculus and pulvinar in processing of central and peripheral snakes. *PLoS One, 10*(6): e0129949. doi:10.1371/journal.pone.0129949

Amaral, C., Simões, M., & Castelo-Branco, M. (2015). Neural signals evoked by stimuli of increasing social scene complexity are detectable at the single-trial level and right lateralized. *PLoS ONE, 10*(3): e0121970. doi:10.1371/journal.pone.0121970

Banca, P., Sousa, T., Catarina Duarte, I., & Castelo-Branco, M. (2015). Visual motion imagery neurofeedback based on the hMT+/V5 complex: evidence for a feedback-specific neural circuit involving neocortical and cerebellar regions. Journal of Neural Engineering, 12(6):066003. doi:10.1088/1741-2560/12/6/066003

Banca, P., Voon, V., Vestergaard, M., Philipiak, G., Almeida, I., Pocinho, F., Relvas, J., & Castelo-Branco, M. (2015). Imbalance in habitual versus goal directed neural systems during symptom provocation in obsessive-compulsive disorder. *Brain, 138*(Pt 3), 798-811. doi:10.1093/brain/awu379

Castelhano, J., Bernardino, I., Rebola, J., Rodriguez, E. & Castelo-Branco, M. (2015). Oscillations or synchrony? Disruption of neural synchrony despite enhanced gamma oscillations in a model of disrupted perceptual coherence. Journal of Cognitive Neuroscience, 27(12), 2416-2426. doi:10.1162/jocn_a_00863

Castelhano, J., Duarte, I. C., Wibral, M., Rodriguez, E., & Castelo-Branco, M. (2014). The dual facet of gamma oscillations: separate visual and decission making circuits as revealed by simultaneous EEG/fMRI. *Human Brain Mapping*, *35*(10), 5219-5235. doi:10.1002/hbm.22545

Duarte, I. C., Ferreira, C., Marques, J., & Castelo-Branco, M. (2014). Anterior/posterior competitive deactivation/activation dichotomy in the human hippocampus as revealed by a 3D navigation task. *PLoS ONE, 9*(1): e86213. doi:10.1371/journal.pone.0086213

Intaité, M., Koivisto, M., & Castelo-Branco, M. (2014). Event-related potential responses to perceptual reversals are modulated by working memory load. *Neuropsychologica, 56*, 428-438. doi:10.1016/j.neuropsychologia.2014.02.016

Intaite, M., Koivisto, M., Castelo-Branco, M. (2014). The linear impact of concurrent working memory load on dynamics of Necker cube perceptual reversals. *Journal of Vision, 14*(1), pii: 13. doi:10.1167/14.1.13

Teixeira, M., Pires, G., Raimundo, M., Nascimento, S., Almeida, V., & Castelo-Branco, M. (2014). Robust single trial identification of conscious percepts triggered by sensory events of variable saliency. *PLoS One, 9*(1): e86201. doi:10.1371/journal.pone.0086201

Castelhano, J., Rebola, J., Leitão, B., Rodriguez, E., & Castelo-Branco, M. (2013). To perceive or not perceive: The role of gamma-band activity in signaling object percepts. *PloS one, 8*(6), e66363. doi:10.1371/journal.pone.0066363

133/12 – "The role of the core and extended face networks in visual perception and high level social cognition"

Investigadores/*Researchers*: Miguel Castelo-Branco, Marco Simões, Carlos Amaral, Gregor Philipiak, José Rebola, João Castelhano

Instituição/*Institution*: IBILI, Faculdade de Medicina, Universidade de Coimbra (Portugal)

Duração/*Duration*: 2013/11 – 2015/12

Peer-reviewed publications

Cayolla, R., Biscaia, R., Baumeister, R. F., Chan, H.-Y., Duarte, I. C., & Castelo-Branco, M. (2024). Neural correlates of fanhood: The role of fan identity and team brand strength. *Frontiers in Human Neuroscience, 17*, 1235139. doi:10.3389/fnhum.2023.1235139

Duarte, I. C., Castelhano, J., Sales, F., & Castelo-Branco, M. (2016). The anterior versus posterior hippocampal oscillations debate in human spatial navigation: evidence from an electrocorticographic case study. *Brain and behavior, 6*(9), e00507. doi:10.1002/brb3.507

Intaite, M., Duarte, J., & Castelo-Branco, M. (2016). Working memory load influences perceptual ambiguity by competing for fronto-parietal attentional resources. *Brain Research, 1650*, 142-151. doi:10.1016/j.brainres.2016.08.044

Santos, S., Almeida, I., Oliveiros, B., & Castelo-Branco, M. (2016). The Role of the Amygdala in Facial Trustworthiness Processing: A Systematic Review and Meta-Analyses of fMRI Studies. *PloS one, 11*(11), e0167276. doi:10.1371/journal.pone.0167276

Silva, G., Ribeiro, M. J., Costa, G. N., Violante, I., Ramos, F., Saraiva, J., & Castelo-Branco, M. (2016). Peripheral attentional targets under covert attention lead to paradoxically enhanced alpha desynchronization in neurofibromatosis type 1. *PLoS One, 11*(2): e0148600. doi:10.1371/journal.pone.0148600

Almeida, I., Soares, S., & Castelo-Branco, M. (2015). The distinct role of the amygdala, superior colliculus and pulvinar in processing of central and peripheral snakes. *PLoS One, 10*(6): e0129949. doi:10.1371/journal.pone.0129949

Amaral, C., Simões, M., & Castelo-Branco, M. (2015). Neural signals evoked by stimuli of increasing social scene complexity are detectable at the single-trial level and right lateralized. *PLoS ONE, 10*(3): e0121970. doi:10.1371/journal.pone.0121970

Banca, P., Sousa, T., Catarina Duarte, I., & Castelo-Branco, M. (2015). Visual motion imagery neurofeedback based on the hMT+/V5 complex: evidence for a feedback-specific neural circuit involving neocortical and cerebellar regions. Journal of Neural Engineering, 12(6):066003. doi:10.1088/1741-2560/12/6/066003

Banca, P., Voon, V., Vestergaard, M., Philipiak, G., Almeida, I., Pocinho, F., Relvas, J., & Castelo-Branco, M. (2015). Imbalance in habitual versus goal directed neural systems during symptom provocation in obsessive-compulsive disorder. *Brain, 138*(Pt 3), 798-811. doi:10.1093/brain/awu379

Castelhano, J., Bernardino, I., Rebola, J., Rodriguez, E. & Castelo-Branco, M. (2015). Oscillations or synchrony? Disruption of neural synchrony despite enhanced gamma oscillations in a model of disrupted perceptual coherence. Journal of Cognitive Neuroscience, 27(12), 2416-2426. doi:10.1162/jocn_a_00863

Intaite, M., Koivisto, M., Castelo-Branco, M. (2014). The linear impact of concurrent working memory load on dynamics of Necker cube perceptual reversals. *Journal of Vision, 14(1),* pii: 13. doi:10.1167/14.1.13

Bernardino, I., Rebola, J., Farivar, R., Silva, E., & Castelo-Branco, M. (2014). Functional reorganization of the visual dorsal stream as probed by 3-D visual coherence in Williams Syndrome. *Journal of Cognitive Neuroscience, 26*(11), 2624-2636. doi:10.1162/jocn_a_00662

Castelhano, J., Duarte, I. C., Wibral, M., Rodriguez, E., & Castelo-Branco, M. (2014). The dual facet of gamma oscillations: separate visual and decission making circuits as revealed by simultaneous EEG/fMRI. *Human Brain Mapping, 35*(10), 5219-5235. doi:10.1002/hbm.22545

Duarte, I. C., Ferreira, C., Marques, J., & Castelo-Branco, M. (2014). Anterior/posterior competitive deactivation/activation dichotomy in the human hippocampus as revealed by a 3D navigation task. *PLoS ONE, 9*(1): e86213. doi:10.1371/journal.pone.0086213

Rebola, J., & Castelo-Branco, M. (2014). Visual areas PPA and pSTS diverge from other processing modules during perceptual closure: functional dichotomies within category selective networks. *Neuropsychologia, 61*, 135-142. doi:10.1016/j.neuropsychologia.2014.06.010

157/12 – "Contributions of parent-infant psychophysiology during dyadic interactions to child development"
Investigadores/*Researchers*: Raquel Alexandra Gonçalves Costa, Iva Tendais, Ana Conde, Catarina Tojal
Instituição/*Institution*: ISLA Campus Lisboa, Laureate International Universities, Lisboa (Portugal)
Duração/*Duration*: 2013/10 – 2016/11

Peer-reviewed publications

Costa, R., Pinto, T. M., Conde, A., Mesquita, A., Motrico, E., & Figueiredo, B. (2023). Women's perinatal depression: Anhedonia-related symptoms have increased in the COVID-19 pandemic. *General Hospital Psychiatry*. doi:10.1016/j.genhosppsych.2023.06.007

Tojal, C. & Costa, R., (2019). Anxiety and depression symptoms among pregnant women with different smoking habits. *Psychology, Health & Medicine*. doi:10.1080/13548506.2019.1634820

Silva, F., Conde, A., & Costa, R. (2018). Impact of prenatal depressive symptoms on postpartum depressive symptoms: Mediation effect of perinatal health. *Spanish Journal of Psychology, 21*: E28. doi:10.1017/sjp.2018.29

Pereira, S., Costa, R., Tojal, C., & Tendais, I. (2018). Primeiras interações: Um estudo comparativo entre mães e pais. *Arquivos Brasileiros de Psicologia, 70*(1), 98-109.

Pereira, S., Costa, R., Tojal, C., & Tendais, I. (2017). Aspetos psicofisiológicos da interação mãe/pai-bebé. *Análise Psicológica, 35*(4), 453-467. doi:10.14417/ap.1271

Tojal, C., & Costa, R. (2016). Physiologic reactions during mother-infant and father-infant face-to-face interactions. *Proceedings of the 17th European Conference of Developmental Psychology* (S908, p. 45). Bologne, Italy: Medimond – Monduzzi Editore International Proceedings Division.

158/12 – "Neuroendocrine underpinnings of social bonds to parents and peers in preschool children. Oxytocin and cortisol on adopted children and non-adopted controls"
Investigadores/*Researchers*: Nuno Manuel Correia Torres, Manuela Veríssimo, Antonio J. Santos, Jaak Panksepp, Lígia Monteiro, Leandra Marília Marques Coelho
Instituição/*Institution*: Research Group on Developmental Psychology of UIPCDE (Unidade de Investigação em Psicologia Cognitiva, do Desenvolvimento e da Educação) of ISPA-IU, Lisboa (Portugal) and Department of Veterinary and Comparative Anatomy, Pharmacology, and Physiology, Neuroscience Program. Washington State University (USA)
Duração/*Duratio*n: 2013/09 – 2018/10

Peer-reviewed publications

Torres, N., Martins, D., Monteiro, L., Santos, A. J., Vaughn, B. E., & Veríssimo, M. (2022). Salivary oxytocin after play with parents predicts behavioural problems in preschool children. *Psychoneuroendocrinology, 136*, 105609. doi:10.1016/j.psyneuen.2021.105609

Torres, N., Martins, D., Santos, A. J., Prata, D., & Veríssimo, M. (2018). How do hypothalamic nonapeptides shape youth's sociality? A systematic review on oxytocin, vasopressin and human socio-emotional development. *Neuroscience & Biobehavioral Reviews, 90,* 309-331. doi:10.1016/j.neubiorev.2018.05.004

167/12 – "Impact of body image related variables on the psychophysiological indicators of human sexual response: comparative study with a clinical and non clinical sample"
Investigadores/*Researchers*: Maria João Alvarez Martins, Pedro Nobre, Ellen Laan, Sandra Byers, Lisa Vicente, Nuno Monteiro Pereira, Patrícia Pascoal
Instituição/*Institution*: Faculdade de Psicologia da Universidade Lisboa and SEXLAB (Laboratórios de Investigação em Sexualidade Humana), Faculdade de Psicologia e Ciências da Educação da Universidade do Porto (Portugal)
Duração/*Duration*: 2013/03 – 2017/01

Peer-reviewed publications

Pascoal, P. M., Alvarez, M. J., & Roberto, M. S. (2018). Validation and invariance across gender of the Beliefs About Appearance Scale (BAAS) in a community sample of heterosexual adults in a committed relationship. *Trends in Psychiatry and Psychotherapy, 40*(2), 126-135. doi:10.1590/2237-6089-2017-0045

Pascoal, P. M., Rosa, P. J., Silva, E. P, & Nobre, P. (2018). The mediator role of cognitive distraction on the relationship between sexual beliefs and sexual functioning. International Journal of Sexual Health, 30(1), 60-71. doi:10.1080/19317611.2018.1424064

Pascoal, P. M., Alvarez, M.-J., Pereira, C., & Nobre, P. (2017). Development and initial validation of the Beliefs about Sexual Functioning Scale: A gender invariant measure. *Journal of Sexual Medicine*. doi:10.1016/j.jsxm.2017.01.021

Pascoal, P. M., Byers, S., Alvarez, M. J., Santos-Iglesias, P., Nobre, P., Pereira, C., & Laan, E. (2017). A dyadic approach to understanding the link between sexual functioning and sexual satisfaction in heterosexual couples. *The Journal of Sex Research*. doi:10.1080/00224499.2017.1373267

Silva, E. P, Pascoal, P. M., & Nobre, P. (2016). Beliefs about appearance, cognitive distraction and sexual functioning in men and women: a mediation model based on cognitive theory. *Journal of Sexual Medicine, 13*, 1387-1394. doi:10.1016/j.jsxm.2016.06.005

178/12 – "How collaboration in psychotherapy becomes therapeutic: A study of interactive and psychophysiological processes in good and poor outcome cases"
Investigadores/*Researchers*: Eugénia Maria Ribeiro Pereira, Adriana Sampaio, Cledna Patricia Silva, António P. Ribeiro, Adam O. Horvath, William B. Stiles, Inês Sousa, Joana Mourão, Dulce Pinto, Zita Sousa
Instituição/*Institution*: Centro de Investigação em Psicologia (CIPsi/UM), Escola de Psicologia, Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2013/06 – 2017/01

Peer-reviewed publications

Cardoso, C., Ferreira, Â., Pinto, D., & Ribeiro, E. (2023). Therapist's interventions immediately after exceeding the client's therapeutic zone of proximal development: A comparative case study. *Psychotherapy Research, 33*(1), 70-83. doi:10.1080/10503307.2022.2153093

Mosavi, N. S., Ribeiro, E., Sampaio, A., & Santos, M. F. (2023). Data mining techniques in psychotherapy: applications for studying therapeutic alliance. *Scientific Reports, 13*(1), 16409. doi:10.1038/s41598-023-43366-6

Ryttinger, R., Stiles, W. B., Serralta, F., Silva, V., Cardoso, C., Ferreira, Â., Basto, I., Sousa, I., & Ribeiro, E. (2023). Is the quality of therapeutic collaboration associated with the assimilation of problematic experiences progress? A comparison of two cases. *Psychotherapy Research*, *33*(8), 1132–1146. doi:10.1080/10503307.2022.2162458

Stiles, W. B., Caro Gabalda, I., & Ribeiro, E. (2016). Exceeding the therapeutic zone of proximal development as a clinical error. *Psychotherapy, 53*(3), 268-272. doi:10.1037/pst0000061

185/12 – "Circuit mechanisms of spatial attention in the zebrafish midbrain"
Investigadores/*Researchers*: Michael Brian Orger, Sabine L. Renninger"
Instituição/*Institution*: Fundação Champalimaud, Lisboa (Portugal)
Duração/*Duration*: 2013/06 – 2017/07

Peer-reviewed publications

Marques, J. C., & Orger, M. (2019). Clusterdv: a simple density-based clustering method that is robust, general and automatic. *Bioinformatics, 35*(12), 2125–2132. doi:10.1093/bioinformatics/bty932

Marques, J. C., Lackner, S., Félix, R., & Orger, M. B. (2018). Structure of the zebrafish locomotor repertoire revealed with unsupervised behavioral clustering. *Current Biology, 28*(2), 181-195. doi:10.1016/j.cub.2017.12.002

Lu, R., Sun, W., Liang, Y., Kerlin, A., Bierfeld, J., Seelig, J., Wilson, D., Scholl, B., Mohar, B., Tanimoto, M., Koyama, M., & Ji, N. (2017). Video-rate volumetric functional imaging of the brain at synaptic resolution. *Nature Neuroscience,* 20, 620-628. doi:10.1038/nn.4516

Orger, M. (2017). The cellular organization of zebrafish visuomotor circuits. *Current Biology, 26*(9), R377-R385. doi:10.1016/j.cub.2016.03.054

Orger, M., & de Polavieja, G. (2017). Zebrafish behavior: Opportunities and challenges. *Annual Review of Neuroscience, 40*. doi:10.1146/annurev-neuro-071714-033857

188/12 – "Embodied cognition: the nature of time encoding in the brain?"
Investigadores/*Researchers*: Joseph James Paton, Tiago Monteiro, Thiago Gouvêa, Sofia Soares
Instituição/*Institution*: Fundação Champalimaud, Lisboa (Portugal)
Duração/*Duration*: 2013/06 – 2016/09

Peer-reviewed publications

Soares, S., Atallah, B. V., & Paton, J. J. (2016). Midbrain dopamine neurons control judgment of time. *Science, 354*(6317), 1273-1277. doi:10.1126/science.aah5234

Gouvêa, T., Monteiro, T., Motiwala, A., Soares, S., Machens, C., & Paton, J. (2015). Striatal dynamics explain duration judgments. *eLife, 4*:e11386. doi:10.7554/eLife.11386

Gouvêa, T., Monteiro, T., Soares, S., Atallah, B., & Paton, J. (2014). Ongoing behavior predicts perceptual report of interval duration. Ongoing behavior predicts perceptual report of interval duration. *Frontiers in neurorobotics,* 8:10. doi:10.3389/fnbot.2014.00010

190/12 – "Interfacing technology with the brain: Novel materials for implantable neural devices"
Investigadores/*Researchers*: Adam Kampff, Elvira Fortunato, Pedro Barquinha, Joana Neto, Joana Nogueira
Instituição/*Institution*: Fundação Champalimaud and CENIMAT - Materials Research Center, Lisboa (Portugal)
Duração/*Duration*: 2013/06 – 2016/09

Peer-reviewed publications

Dimitriadis, G., Neto, J. P., & Kampff, A. R. (2018). t-SNE visualization of large-scale neural recordings. *Neural Computation, 30*(7), 1750-1774. doi:10.1162/neco_a_01097

Neto, J. P., Baião, P., Lopes, G., Frazão, J., Nogueira, J., Fortunato, E., Barquinha, P., & Kampff, A. R. (2018). Does impedance matter when recording spikes with polytrodes?. *Frontiers in neuroscience, 12*: 715. doi:10.3389/fnins.2018.00715

Neto, J., Lopes, G., Frazão, J., Nogueira, J., Lacerda, P., Baião, P.,. ..., Kampff, A. (2016). Validating silicon polytrodes with paired juxtacellular recordings: method and dataset. *Journal of Neurophysiology, 116*(2), 892–903. doi:10.1152/jn.00103.2016

Lopes, G., Bonacchi, N., Frazão, J., Neto, J. P., Atallah, B. V., Soares, S., ... Kampff, A. (2015). Bonsai: an event-based framework for processing and controlling data streams. *Frontiers in neuroinformatics. 9*:7. doi:10.3389/fninf.2015.00007

191/12 – "Defining the functional architecture of motion vision sensitive visual-motor circuits"
Investigadores/*Researchers*: Eugenia Chiappe, Tomás Cruz
Instituição/*Institution*: Fundação Champalimaud, Lisboa (Portugal)
Duração/*Duration*: 2013/08 – 2016/10

Peer-reviewed publications

Busse, L., Cardin, J. A., Chiappe, E., Halassa, M., McGinley, M. J., Yamashita, T., & Saleem, A. B. (2017). Sensation during active behaviors. *Journal of Neuroscience, 37*(45), 10826-10834. doi:10.1523/JNEUROSCI.1828-17.2017

Fujiwara, T., Cruz, T. L., Bohnslav, J. P., & Chiappe, M. E. (2017). A faithful internal representation of walking movements in the Drosophila visual system. *Nature Neuroscience, 20*, 72-81. doi:10.1038/nn.4435

192/12 – "Effects of conditional Foxp2 deletion on motor-sequence learning"
Investigador/*Researcher:* Catherine Ann French
Instituição/*Institution:* Fundação Champalimaud, Lisboa (Portugal)
Duração/*Duration:* 2013/06 – 2016/07

Peer-reviewed publications

French C. A., Vinueza Veloz M. F., Zhou K., Peter S., Fisher S. E., Costa R.M. & De Zeeuw, C. I. (2019). Differential effects of Foxp2 disruption in distinct motor circuits. *Molecular Psychiatry, 24*(3), 447-462. doi:10.1038/s41380-018-0199-x

French, C. A., & Fisher, S. E. (2014). What can mice tell us about Foxp2 function? *Current Opinion in Neurobiology, 28*, 72–79. doi:10.1016/j.conb.2014.07.003

194/12 – "Characterising developmental trajectories of brain function from childhood into adolescence"
Investigadores/*Researchers*: Kristin Robin Laurens, Ruth E. Roberts
Instituição/*Institution*: Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London (UK)
Duração/*Duration*: 2013/04 – 2015/12

Peer-reviewed publications

Gutteridge, T. P., Kelly, A. B., & Laurens, K. R. (2023). Increased likelihood of distressing and functionally impairing psychotic-like experiences among children with co-occurring internalising and externalising problems. *Schizophrenia Research, 252*, 225-230. doi:10.1016/j.schres.2023.01.017

Cullen, A., Fisher, H., Gullett, N., Fraser, E., Roberts, R. E., Zahid, U., To, M., Yap, N., Zunszain, P., Pariante, C., Wood, S., McGuire, P., Murray, R., Mondelli, V., & Laurens, K. R. (2022). Cortisol levels in childhood associated with emergence of attenuated psychotic symptoms in early adulthood. *Biological psychiatry*, 91(2), 226-235. doi:10.1016/j.biopsych.2021.08.009

Ahmedt-Aristizabal, D., Fernando, T., Denman, S., Robinson, J. E., Sridharan, S., Johnston, P. J., Laurens, K. R., & Fookes, C. (2021). Identification of children at risk of schizophrenia via deep learning and EEG responses. *IEEE Journal of Biomedical and Health Informatics, 25*(1), 69-76. doi:10.1109/JBHI.2020.2984238

Gutteridge, T. P., Lang, C. P., Turner, A. M., Jacobs, B. W., & Laurens, K. R. (2020). Criterion validity of the Psychotic-Like Experiences Questionnaire for Children (PLEQ-C). *Schizophrenia Research*. doi:10.1016/j.schres.2020.03.067

Laurens K. R., Murphy J. R., Dickson H., Roberts R. E., & Gutteridge T. P. (2020). Trajectories of mismatch negativity and P3a amplitude development from age 9 to 16 years in childrenwith risk factors for schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. doi:10.1016/j.bpsc.2020.07.01

Dickson, H., Roberts, R. E., To, M., Wild, K., Loh, M., & Laurens, K. R. (2020). Adolescent trajectories of fine motor and coordination skills and risk for schizophrenia. *Schizophrenia Research, 215*, 263-269. doi:10.1016/j.schres.2019.10.018

Hobbs, M., & Laurens, K. (2020). Psychometric comparability of self-report by children aged 9–10 versus 11 years on the Strengths and Difficulties Questionnaire (SDQ). *Child Indicators Research, 3*, 301–318. doi:10.1007/s12187-019-09633-7

Dickson, H., Cullen, A. E., Jones, R., Reichenberg, A., Roberts, R. E., Hodgins, S., Morris, R. G., & Laurens, K. R. (2018). Trajectories of cognitive development during adolescence among youth at-risk for schizophrenia. Journal of Child Psychology and Psychiatry, 59(11), 1215-1224. doi:10.1111/jcpp.12912

Lancefield, K. S., Raudino, A., Downs, J. M., & Laurens, K. R. (2016). Trajectories of childhood internalizing and externalizing psychopathology and psychotic-like experiences in adolescence: A prospective population-based cohort study. *Development and Psychopathology, 28*(2), 527-536. doi:10.1017/S0954579415001108

Laurens, K. R., & Cullen, A. E. (2016). Toward earlier identification and preventative intervention in schizophrenia: Evidence from the London Child Health and Development Study. *Social Psychiatry and Psychiatric Epidemiology, 51*(4), 475-491. doi:10.1007/s00127-015-1151-x

Bruggeman, J. M., Stockill, H. V., Lenroot, R. K., & Laurens, K. R. (2013). Mismatch negativity (MMN) and sensory auditory processing in children aged 9–12 years presenting with putative antecedents of schizophrenia. *International Journal of Psychophysiology, 89*(3), 374-380. doi:10.1016/j.ijpsycho.2013.05.008

198/12 – "Enhancing hypnotic suggestibility with transcranial direct current stimulation"
Investigador/*Researcher*: Devin Blair Terhune
Instituição/*Institution*: The Chancellor, Masters and Scholars of the University of Oxford, Experimental Psychology (UK)
Duração/*Duration*: 2014/03 – 2015/02

Peer-reviewed publications

Polychroni, N., Hedman, L. R. A., & Terhune, D. B. (2023). Response time fluctuations in the sustained attention to response task predict performance accuracy and meta-awareness of attentional states. *Psychology of Consciousness: Theory, Research, and Practice, 10*(4), 381–393. doi:10.1037/cns0000248

Acunzo, D. J., & Terhune, D. B. (2021). A critical review of standardized measures of hypnotic suggestibility. *International Journal of Clinical and Experimental Hypnosis, 69*(1), 50-71. doi:10.1080/00207144.2021.1833209

Terhune, D. B., & Hedman, L. R. A. (2017). Metacognition of agency is reduced in high hypnotic suggestibility. *Cognition, 168*, 176-181. doi:10.1016/j.cognition.2017.06.026

Terhune, D. B. (2015). Discrete response patterns in the upper range of hypnotic suggestibility: A latent profile analysis. *Consciousness and Cognition, 33*, 334-341. doi:10.1016/j.concog.2015.01.018

199/12 – "Brain-to-brain communication enabled with intracortical microstimulation"
Investigadores/*Researchers*: Miguel Angelo Laporta Nicolelis, Miguel Santos Pais Vieira
Instituição/*Institution*: Duke University, Durham (USA)
Duração/*Duration*: 2013/01 – 2015/10

Peer-reviewed publications

Pais-Vieira, M., Chiuffa, G., Lebedev, M., Yadav, A., & Nicolelis, M. A. (2015). Building an organic computing device with multiple interconnected brains. *Scientific Reports, 5*: 11869. doi:10.1038/srep11869

Ramakrishnan, A., Ifft, P., Pais-Vieira, M., Byun, W., Zhuang, K., Lebedev, M., & Nicolelis, M. A. (2015). Computing Arm Movements with a Monkey Brainet. *Scientific Reports 5*: 10767 (2015). doi:10.1038/srep10767

Pais-Vieira, M., Lebedev, M., Kunicki, C., Wang, J., & Nicolelis, M. A. (2013). A brain-to-brain interface for real-time sharing of sensorimotor information. *Scientific Reports, 3*:1319. doi:10.1038/srep01319

203/12 – "Using multisensory illusions to investigate medically unexplained symptoms"
Investigador/*Researcher*: Roger Newport
Instituição/*Institution*: School of Psychology, University of Nottingham (UK)
Duração/*Duration*: 2013/10 – 2017/02

Peer-reviewed publications

Ratcliffe, N., Greenfield, K., Ropar, D., Howard, E. M., & Newport, R. (2021). The relative contributions of visual and proprioceptive inputs on hand localization in early childhood. *Frontiers in Human Neuroscience, 15*, 702519. doi:10.3389/fnhum.2021.702519

Themelis, K., Ratcliffe, N., Nishigami, T., Wand, B. M., Newport, R., & Stanton, T. R. (2021). The effect of visually manipulating back size and morphology on back perception, body ownership, and attitudes towards self-capacity during a lifting task. *Psychological Research*. doi:10.1007/s00426-021-01609-z

Nishigami, T., Wand, B. M., Newport, R., Ratcliffe, N., Themelis, K., Moen, D., Jones, C., Moseley, G. L., & Stanton, T. R. (2019). Embodying the illusion of a strong, fit back in people with chronic low back pain. A pilot proof-of-concept study. *Musculoskeletal Science and Practice, 39*, 178-183. doi:10.1016/j.msksp.2018.07.002

Ratcliffe, N., & Newport, R. (2017). The effect of visual, spatial and temporal manipulations on embodiment and action. *Frontiers in Human Neuroscience, 11*: 227. doi:10.3389/fnhum.2017.00227

Ratcliffe, N., & Newport, R. (2016). Evidence that subclinical somatoform dissociation is not characterised by heightened awareness of proprioceptive signals. *Cognitive Neuropsychiatry, 21*(5), 429-446. doi:10.1080/13546805.2016.1231112

Newport, R., Auty, K., Carey, M., Greenfield, K., Howard, E. M., Ratcliffe, N., Thair, H., & Themelis, K. (2015). Give it a tug and feel it grow: Extending body perception through the universal nature of illusory finger stretching. *Iperception, 6*(5):2041669515599310. doi:10.1177/2041669515599310

209/12 – "Predicting your decision while you make up your mind – an intracranial human study of the neural underpinning of decision making"
Investigadores/*Researchers*: Uri Muz Maoz, Liad Mudrik, Ian Ross, Adam Mamelak, Ralph Adolphs
Instituição/*Institution*: California Institute of Technology, Pasadena and Cedars-Sinai Medical Center, Los Angeles (USA)
Duração/*Duration*: 2013/05 – 2015/02

Peer-reviewed publications

Lashgari, E., Ott, J., Connelly, A., Baldi, P., & Maoz, U. (2021). An end-to-end CNN with attentional mechanism applied to raw EEG in a BCI classification task. *Journal of neural engineering, 18*(4), 10.1088/1741-2552/ac1ade. doi:10.1088/1741-2552/ac1ade

Maoz, U., & Yaffe, G. (2015). What does recent neuroscience tell us about criminal responsibility? *Journal of Law and the Biosciences, 3*(1), 120-139. doi:10.1093/jlb/lsv051

Maoz, U., Mudrik, L., Rivlin, R., Ross, I., & Mamelak, A. (2015). On reporting the onset of the intention to move. In A. Mele (Ed.), *Surrounding Free Will*. Oxford University Press. doi:10.1093/acprof:oso/9780199333950.003.0010

Mudrik, L., & Maoz, U. (2015). "Me & My Brain": Exposing Neuroscience's Closet Dualism. *Journal of Cognitive Neuroscience, 27*(2), 211-221. doi:10.1162/jocn_a_00723

217/12 – "Temporal modulation of the subventricular zone neural stem cell niche by choroid plexus-cerebrospinal fluid derived factos"
Investigadores/*Researchers*: João Carlos Cruz de Sousa, Fernanda Marques, Joana Palha, Ana Luísa Falcão, Ashley Novais
Instituição/*Institution*: ICVS/3B's - Laboratório Associado (ICVS/3B's), Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2013/08 – 2019/01

Peer-reviewed publications

Ferreira, A. C., Novais, A., Sousa, N., Sousa, J. C., & Marques, F. (2018). Voluntary running rescues the defective hippocampal neurogenesis and behaviour observed in lipocalin 2-null mice. *Scientific reports, 9*: 1649. doi:10.1038/s41598-018-38140-y

Ferreira, A. C., Santos, T., Sampaio-Marques, B., Novais, A., Mesquita, S. D., Ludovico, P., Bernardino, L., Correia-Neves, M., Sousa, N., Palha, J. A., Sousa, J. C., & Marques, F. (2018). Lipocalin-2 regulates adult neurogenesis and contextual discriminative behaviours. *Molecular* Psychiatry, 23(4), 1031-1039. doi:10.1038/mp.2017.95

Novais, A., Silva, A., Ferreira, A. C., Falcão, A., Sousa, N., Palha, J. A., Marques, F., & Sousa, J. C. (2018). Adult hippocampal neurogenesis modulation by the membrane-associated progesterone receptor family member neudesin. *Frontiers in Cellular Neuroscience, 12*, 463. doi:10.3389/fncel.2018.00463

Marques, F., Sousa, J. C., Brito, M. A., Pahnke, J., Santos, C., Correia-Neves, M., & Palha, J. A. (2017). The choroid plexus in health and in disease: dialogues into and out of the brain. *Neurobiology of Disease, 107*, 32-40. doi:10.1016/j.nbd.2016.08.011

Mesquita, S. D., Ferreira, A. C., Sousa, J. C., Correia-Neves, M., Sousa, N., & Marques, F. (2016). Insights on the pathophysiology of Alzheimer's disease: The crosstalk between amyloid pathology, neuroinflammation and the peripheral immune system. *Neuroscience and Biobehavioral Reviews, 68*, 547-562. doi:10.1016/j.neubiorev.2016.06.014

Marques, F., & Sousa, J. C. (2015). The choroid plexus is modulated by various peripheral stimuli: implications to diseases of the central nervous system. *Frontiers in Cellular Neuroscience, 9*:136. doi:10.3389/fncel.2015.00136

Mesquita, S. D., Ferreira, A. C., Gao. F., Coppola. G., Geschwind, D. H., Sousa, J. C., ..., Marques, F. (2015). The choroid plexus transcriptome reveals changes in type I and II interferon responses in a mouse model of Alzheimer's disease. *Brain, Behavior, and Immunity, 49*, 280-292. doi:10.1016/j.bbi.2015.06.008

Salgado, A. J., Sousa, J. C., Costa, B. M., Pires, A. O., Mateus-Pinheiro, A., Teixeira, F. G., Pinto, L., & Sousa, N. (2015). Mesenchymal stem cells secretome as a modulator of the neurogenic niche: basic insights and therapeutic opportunities. *Frontiers in Cellular Neuroscience, 9*:249. doi:10.3389/fncel.2015.00249

220/12 – Consciousness disconnects during sleep
Investigador/*Researcher*: Giovanni Piantoni
Instituição/*Institution*: Cortical Physiology Lab, Massachusets General Hospital, Harvard Medical School (USA) and Netherlands Institute for Neuroscience, Amsterdam (The Netherlands)
Duração/*Duration*: 2013/09 – 2016/05

Peer-reviewed publications

Naftulin, J. S., Ahmed, O. J., Piantoni, G., Eichenlaub, J. B., Martinet, L. E., Kramer, M. A., & Cash, S. S. (2018). Ictal and preictal power changes outside of the seizure focus correlate with seizure generalization. *Epilepsia, 59*(7), 1398-1409. doi:10.1111/epi.14449

Piantoni, G., Halgren, E. & Cash, S. S. (2017). Spatiotemporal characteristics of sleep spindles depend on cortical location. *NeuroImage, 146*, 236-245. doi:10.1016/j.neuroimage.2016.11.010

Piantoni, G., Romeijn, N., Gomez-Herrero, G., Van Der Werf, Y. D., & Van Someren, E. J. W. (2017). Alpha power predicts persistence of bistable perception. *Scientific Reports, 7*, 5208 doi:10.1038/s41598-017-05610-8.

Muller, L., Piantoni, G., Koller, D., Cash, S., Halgren, E., & Sejnowski, T. (2016). Rotating waves during human sleep spindles organize global patterns of activity that repeat precisely through the night. *Elife, 5*: e17267. doi:10.7554/eLife.17267

Piantoni, G., Halgren, E., & Cash, S. (2016). The contribution of thalamocortical core and matrix pathways to sleep spindles. *Neural Plasticity*. Article ID 3024342. doi:10.1155/2016/3024342

Reijmer, Y. D., Fotiadis, P., Piantoni, G., Boulouis, G., Kelly, K. E., Gurol, M. E., Leemans, A., O'Sullivan, M. J., Greenberg, S. M., & Viswanathan, A. (2016). Small vessel disease and cognitive impairment: The relevance of central network connections. *Human Brain Mapping, 37*(7), 2446-2454. doi:10.1002/hbm.23186

Milz, P., Faber, P. L., Lehmann, D., Kochi, K., & Pascual-Marqui, R. D. (2014). sLORETA intracortical lagged coherence during breath counting in meditation-naïve participants. *Frontiers in Human Neuroscience, 8*, 303. doi:10.3389/fnhum.2014.00303

222/12 – "EEG functional connectivity in post-hypnotic amnesia"
Investigadores/*Researchers*: Marios Kittenis, Graham Jamieson
Instituição/*Institution*: Koestler Parapsychology Unit, The University of Edinburgh (UK) and Neuropsychology Lab, School of Behavioural, Cognitive, and Social Sciences, The University of New England, Armindale (Australia)
Duração/*Duration*: 2013/06 – 2016/04

Peer-reviewed publications

Jamieson, G., Kittenis, M., Tivadar, R., & Evans, I. (2017). Inhibition of retrieval in hypnotic amnesia: Dissociation by upper-alpha gating. *Neuroscience of Consciousness, 3(1)*: 1-15. doi:10.1093/nc/nix005

224/12 – "The magic of perception: Investigating misdirection and change blindness in magic using the novel combination of gaze behaviour and ERPs"
Investigadores/*Researchers*: Tim J. Smith, Rebecca Nako
Instituição/*Institution*: Dynamic Visual Cognition (DVC) Lab, Dept. of Psychology, Birkbeck, University of London (UK)
Duração/*Duration*: 2013/04 – 2016/09

Peer-reviewed publications

Nako, R., Grubert, A., & Eimer, M. (2016). Category-based guidance of spatial attention during visual search for feature conjunctions. *Journal of Experimental Psychology: Human Perception and Performance, 42*(10), 1571–1586. doi:10.1037/xhp0000244

Nako, R., Smith, T.J., & Eimer, M. (2016). The role of color search templates for real-world target objects. *Journal of Cognitive Neuroscience, 28*(11), 1714-1727. doi:10.1162/jocn_a_00996

Smith, T. & Martin-Portugues Santacreu, J. Y. (2016) Match-Action: The role of motion and audio in creating global change blindness in film. *Media Psychology*. doi:10.1080/15213269.2016.1160789

Smith, T. (2015). The role of audience participation and task relevance on change detection during a card trick. *Frontiers in Psychology, 6*: 13. doi:10.3389/fpsyg.2015.00013

Nako, R., Smith, T., & Eimer, M. (2014). Activation of new attentional templates for real-world objects in visual search. *Journal of Cognitive Neuroscience*. doi:10.1162/jocn_a_00747

Nako, R., Wu, R., Smith, T., & Eimer, M. (2014). Item and category-based attentional control during search for real-world objects: Can you find the pants among the pans? Journal of Experimental Psychology: Human *Perception and Performance, 40*(4), 1283-1288. doi:10.1037/a0036885

Smith, T., Lamont, P., & Henderson, J. M. (2013). Change blindness in a dynamic scene due to endogenous override of exogenous attentional cues. *Perception, 42*(8), 884-886. doi:10.1068/p7377

225/12 – "Roles of the reward system in sleep, dreaming, and the consolidation of emotional memories"

Investigadores/*Researchers*: Sophie Schwartz, Lampros Perogamvros, Kristoffer Aberg, Virginie Sterpenich

Instituição/*Institution*: Geneva Neuroscience Center, University of Geneva (Switzerland)

Duração/*Duration*: 2013/10 – 2016/02

Peer-reviewed publications

Perogamvros, L., Park, H.-D., Bayer, L., Perrault, A., Blanke, O., & Schwartz, S. (2019). Increased heartbeat-evoked potential during REM sleep in nightmare disorder. *NeuroImage Clinical, 22*: 101701. doi:10.1016/j.nicl.2019.101701

Perogamvros, L., Aberg, K., Gex-Fabry, M., Perrig, S., Cloninger, C. R., & Schwartz, S. (2015). Increased reward-related behaviors during sleep and wakefulness in sleepwalking and idiopathic nightmares. *PLoS ONE 10*(8): e0134504. doi:10.1371/journal.pone.0134504

Perogamvros, L., & Schwartz, S. (2014). Sleep and Emotional Functions. *Current Topics in Behavioral Neurosciences, 25*, 411-431. doi:10.1007/7854_2013_271

Perogamvros, L., Dang-Vu, T., Desseilles, M., & Schwartz, S. (2013). Sleep and dreaming are for important matters. *Frontiers in Psychology, 4*: 474. doi:10.3389/fpsyg.2013.00474

227/12 – "System mechanisms of attention: Toward the nature of hypnotizability"

Investigadores/*Researchers*: Zinaida I. Storozheva, A. V.Kirenskaya, V. Y. Novototsky-Vlaso, A. N. Chistyakov, V. V. Myamlin, S. V. Solntseva

Instituição/*Institution*: P. K. Anokhin Institute of Normal Physiology and Serbsky National Research Centre for Social and Forensic Psychiatry, Moscow (Russia)

Duração/*Duration*: 2013/04 – 2017/05

Peer-reviewed publications

Kirenskaya, A. V., Storozheva, Z. I., Solntseva, S. V., Novototsky-Vlasov, V. Y., & Gordeev, M. N. (2019). Auditory evoked potentials evidence for differences in information processing between high and low hypnotizable subjects. *International Journal of Clinical and Experimental Hypnosis, 67*(1), 81-103. doi:10.1080/00207144.2019.1553764

Storozheva, Z., Kirenskaya, A., Gordeevb, M., Kovalevaa, M. E., & Novototsky-Vlasov, V. Y. (2018). COMT genotype, sensory and sensorimotor gating in high and low hypnotizable subjects. *International Journal of Clinical & Experimental Hypnosis, 66*(1), 83-105. doi:10.1080/00207144.2018.1396120

233/12 – "The study of experimenter effects in the replication of psi experiments: A global initiative"

Investigadores/*Researchers*: Marilyn Schlitz, Daryl Bem, Arnaud Delorme

Instituição/*Institution*: Institute of Noetic Sciences, Petaluma (USA)

Duração/*Duration*: 2013/07 – 2015/04

Peer-reviewed publications

Schlitz, M., Bem, D., Marcussion-Clavertz, D., Cardena, E., Lyke, J., Grover, R., ..., Delorme, A. (2021). Two replication studies of a time-reversed (Psi) priming task and the role of expectancy in reaction times. *Journal of Scientific Exploration, 35*(1), 65-90. doi:10.31275/20211903

Schlitz, M., & Delorme, A. (2021). Examining implicit beliefs in a replication attempt of a time-reversed priming task [version 2; peer review: 2 approved]. *F1000Research, 10*: 5. doi:10.12688/f1000research.27169.2

234/12 – "Visual categorization of images of live and deceased individuals"
Investigador/*Researchers*: Arnaud Delorme, Dean Radin
Instituição/*Institution*: Centre de Recherche Cerveau et Cognition, Toulouse (France); Institute of Noetic Sciences, Petaluma (USA)
Duração/*Duration*: 2014/02 – 2015/06

Peer-reviewed publications

Delorme, A., Pierce, A., Michel, L., & Radin, D. (2018). Intuitive assessment of mortality based on facial characteristics: Behavioral, electrocortical, and machine learning analyses. *Explore: The Journal of Science and Healing, 14*(4), 262-267. doi:10.1016/j.explore.2017.10.011

Delorme, A., Pierce, A., Michel, L., & Radin, D. (2016). Prediction of mortality based on facial characteristics. *Frontiers in Human Neuroscience, 10*: 173. doi:10.3389/fnhum.2016.00173

248/12 – "Using hypnosis to distinguish between cognitive and metacognitive conscious experience"
Investigadores/*Researchers:* Pedro Alexandre Magalhães de Saldanha da Gama, Axel Cleeremans, Zoltan Dienes, Amir Raz
Instituição/*Institution:* Université Libre de Bruxelles (Belgium)
Duração/*Duration:* 2013/11 – 2015/05

Peer-reviewed publications

Caspar, E. A., De Beir, A., Gama, P., Yernaux, F., Cleeremans, A., & Vanderborght, B. (2014). New frontiers in the rubber hand experiment: when a robotic hand becomes one's own. *Behavior Research Methods, 47*(3), 744-755. doi:10.3758/s13428-014-0498-3

252/12 – "Sleep state misperception misperceived"
Investigadores/*Researchers*: Eus J. W. Van Someren, J. Ramautar
Instituição/*Institution*: Netherlands Institute for Neuroscience, Dept. Sleep & Cognition, Amsterdam (The Netherlands)
Duração/*Duration*: 2014/06 – 2017/01

Peer-reviewed publications

Bresser, T., Foster-Dingley, J. C., Wassing, R., Leerssen, J., Ramautar, J. R., Stoffers, D., Lakbila-Kamal, O., van den Heuvel, M.,& van Someren, E. J. W. (2020). Consistent altered internal capsule white matter microstructure in insomnia disorder. *Sleep, 43*(8): zsaa031. doi:10.1093/sleep/zsaa031

Te Lindert, B. H. W., Blanken, T. F., van der Meijden, W. P., Dekker, K., Wassing, R., van der Werf, Y. D., Ramautar, J. R., & Van Someren, E. J. W. (2020). Actigraphic multi-night home-recorded sleep estimates reveal three types of sleep misperception in Insomnia Disorder and good sleepers. *Journal of Sleep Research, 29*(1), e12937. doi:10.1111/jsr.12937

Christensen, J. A. E., Wassing, R., Wei, Y., Ramautar, J. R., Lakbila-Kamal, O., Jennum, P. J., & Van Someren, E. J. W. (2019). Data-driven analysis of EEG reveals concomitant superficial sleep during deep sleep in insomnia disorder. *Frontiers in Neuroscience, 13*: 598. doi:10.3389/fnins.2019.00598

Wei, Y., Colombo, M. A., Ramautar, J. R., Blanken, T. F., van der Werf, Y. D., ..., Van Someren, E. (2017). Sleep stage transition dynamics reveal specific stage 2 vulnerability in insomnia. *Sleep, 40*(9), zsx117. doi:10.1093/sleep/zsx117

Colombo, M., Ramautar, J., Wei. Y., Gomez-Herrero, G., Stoffers, D., Wassing, R., Benjamins, J. S., Tagliazucchi, E., van der Werf, Y., Cajochen, C., & Van Someren, E. (2016). Wake high-density electroencephalographic spatiospectral signatures of insomnia. *Sleep, 39*(5), 1015-1027. doi:10.5665/sleep.5744

Colombo, M., Wei, Y., Ramautar, J., Linkenkaer-Hansen, K., Tagliazucchi, E., & Van Someren, E. (2016). More severe insomnia complaints in people with stronger long-range temporal correlations in wake resting-state EEG. *Frontiers in Physiology, 7*:576. doi:10.3389/fphys.2016.00576

Wei, Y., Ramautar, J., Colombo, M., Stoffers, D., Gomez-Herrero, G., van der Meijden, W. P., Te Lindert, B. H., van der Werf, Y., & Van Someren, E. (2016). I keep a close watch on this heart of mine: increased interoception in insomnia. *Sleep, 39*(12), 2113-2124. doi:doi:10.5665/sleep.6308

253/12 – "REM-sleep, the regulation of self-conscious emotion and hyperarousal in psychophysiological insomnia"
Investigadores/*Researchers*: Lucia Talamini, Ekaterini Georgopoulou, Eus Van Someren
Instituição/*Institution*: University of Amsterdam, Psychology, Dept. Brain and Cognition (The Netherlands) and Netherlands Institute for Neuroscience, Dept. Sleep & Cognition, Amsterdam (The Netherlands)
Duração/*Duration*: 2015/11 – 2017/09

Peer-reviewed publications

Schalkwijk, F., Van Someren, E. J. W., Nicolai, N. J., Uijttewaal, J. L., & Wassing, R. (2023). From childhood trauma to hyperarousal in adults: The mediating effect of maladaptive shame coping and insomnia. *Frontiers in Human Neuroscience, 17*, 990581. doi:10.3389/fnhum.2023.990581

Christensen, J. A. E., Wassing, R., Wei, Y., Ramautar, J. R., Lakbila-Kamal, O., Jennum, P. J., & Van Someren, E. J. W. (2019). Data-driven analysis of EEG reveals concomitant superficial sleep during deep sleep in insomnia disorder. *Frontiers in Neuroscience, 13*: 598. doi:10.3389/fnins.2019.00598

Schalkwijk, F., Van Someren, E., & Wassing, R. (2019). A clinical interpretation of shame regulation in maladaptive perfectionism. *Personality and Individual Differences, 138*, 19-23. doi:10.1016/j.paid.2018.09.001

Wassing, R., Benjamins, J. S., Talamini, L. M., Schalkwijk, F., & Van Someren, E. J. W. (2019). Overnight worsening of emotional distress indicates maladaptive sleep in insomnia. *Sleep, 42*(4): zsy268. doi:10.1093/sleep/zsy268. Erratum in: Sleep. 2019 May 1;42(5): PMID: 30590834.

Wassing, R., Lakbila-Kamal, O., Ramautar, J. R., Stoffers, D., Schalkwijk, F., & Van Someren, E. (2019). Restless REM sleep impedes overnight amygdala adaptation. *Current Biology, 29*(14), 2351-2358.e4. doi:10.1016/j.cub.2019.06.034

Wassing, R., Schalkwijk, F., Lakbila-Kamal, O., Ramautar, J. R., Stoffers, D., Mutsaerts, H., ... Van Someren, E. (2019). Haunted by the past: old emotions remain salient in insomnia disorder. *Brain, 142*(6), 1783–1796. doi:10.1093/brain/awz089

Wei, Y., Bresser, T., Wassing, R., Stoffers, D., Van Someren, E. J. W., & Foster-Dingleya, J. C. (2019). Brain structural connectivity network alterations in insomnia disorder reveal a central role of the right angular gyrus. *NeuroImage: Clinical, 24*: 102019. doi:10.1016/j.nicl.2019.102019

Wei, Y., Leerssen, J., Wassing, R., Stoffers, D., Perrier, J., & Van Someren, E. J. W. (2019). Reduced dynamic functional connectivity between salience and executive brain networks in insomnia disorder. *Journal of Sleep Research*, e12953. doi:10.1111/jsr.12953

Leerssen, J., Wassing, R., Ramautar, J. R., Stoffers, D., Lakbila-Kamal, O., Perrier, J., Bruijel, J., Foster-Dingley, J. C., Aghajani, M., & Van Someren, E. (2018). Increased hippocampal-prefrontal functional connectivity in insomnia. *Neurobiology of Learning and Memory*. doi:10.1016/j.nlm.2018.02.006

Wassing, R., Benjamins, J. S., Dekker, K., Moens, S., Spiegelhalder, K., Feige, B., Riemann, D., van der Sluis, S., Van Der Werf, Y., Talamini, L., Walkerg, M., Schalkwijk, F., & Van Someren, E. (2016). Slow dissolving of emotional distress contributes to hyperarousal. *Proceedings of the National Academy of Sciences, 113*(9), 2538–2543. doi:10.1073/pnas.1522520113

255/12 – "Telepathic communication wave function collapse"
Investigadores/*Researchers*: Karla Galdamez, Wolfgang Baer, Michael Ibison
Instituição/*Institution*: Nascent Systems Inc., Carmel Valley, CA (USA); Institute for Advanced Studies at Austin, Texas (USA)
Duração/*Duration*: 2013/07 – 2020/07

Peer-reviewed publications

Galdamez, K. M. (2020). On an expanded concept of energy within a framework of brain to brain communication. *Activitas Nervosa Superior, 62,* 12-16. doi:10.1007/s41470-019-00067-8

Galdamez, K. (2017). Wave function collapse in retinal structure under aided/un-aided conditions. *Cosmos and History: The Journal of Natural and Social Philosophy, 13*(2), 126-140.

256/12 – "Contemplative Development Mapping Project"
Investigadores/*Researchers*: Willoughby Britton, Catherine Kerr, Harold Roth, Jared Lindahl, Jake Davis, Chris Kaplan, Nathan Fisher
Instituição/*Institution*: The Clinical and Affective Neuroscience Laboratory, Brown University and Department of Psychiatry and Human Behavior, Brown University Medical School, Providence (USA)
Duração/*Duration*: 2013/07 – 2017/09

Peer-reviewed publications

Lindahl, J. R. (2017). Somatic energies and emotional traumas: A qualitative study of practice-related challenges reported by Vajrayana Buddhists. *Religions, 8*(8): 153. doi:10.3390/rel8080153

Lindahl, J., Fisher, N., Cooper, D. J., Rosen, R. K., & Britton, W. (2017). The varieties of contemplative experience: A mixed-methods study of meditation-related challenges in Western Buddhists. *PLoS ONE, 12*(5): e0176239. doi:10.1371/journal.pone.0176239

Lindahl, J., Kaplan, C., Winget, E., Britton, W. (2014). A phenomenology of meditation-induced light experiences: Traditional Buddhist and neurobiological perspectives. *Frontiers in Psychology, 4*:973. doi:10.3389/fpsyg.2013.00973

262/12 – "The neural basis of Magical Ideation: a multimodal imaging study in twin subjects"
Investigadores/*Researchers:* Paolo Brambilla, Gioia A.L. Negri, Sara Piccin, Giuseppe Cabras, Corrado Fagnani
Instituição/*Institution*: Universitá delgi Studi di Milano and Unit of Epidemiology of the Italian Institute of Health, Rome (Italy)
Duração/*Duration*: 2014/01 – 2018/04

Peer-reviewed publications

Bonivento, C., Tomasino, B., Garzitto, M., Piccin, S., Fabbro, F., & Brambilla, P. (2017). Age-dependent changes of thinking about verbs. *Frontiers in Behavioral Neuroscience, 11*: 40. doi:10.3389/fnbeh.2017.00

Calderoni, S., Billeci, L., Narzisi, A., Brambilla, P., Retico, A., & Muratori, F. (2016). Rehabilitative interventions and brain plasticity in autism spectrum disorders: Focus on MRI-Based Studies. *Frontiers in Neuroscience, 10*: 139. doi:10.3389/fnins.2016.00139

Ciappolino, V., Delvecchio, G., Agostoni, C., Mazzocchi, A., Altamura, A. C., & Brambilla, P. (2016). The role of n-3 polyunsaturated fatty acids (n-3PUFAs) in affective disorders. *Journal of Affective Disorders, 15*(224), 32-47. doi:10.1016/j.jad.2016.12.034

Córdova-Palomera, A., Tornador, C., Falcón, C., Bargalló, N., Brambilla, P., Crespo-Facorro, B., Deco, G., & Fañanás, L. (2016). Environmental factors linked to depression vulnerability are associated with altered cerebellar resting-state synchronisation. *Scientific Reports, 6*, Article number: 37384. doi:10.1038/srep37384

Delvecchio, G., Bellani, M., Altamura, A. C., & Brambilla, P. (2016). The association between the serotonin and dopamine neurotransmitters and personality traits. *Epidemiology and Psychiatric Sciences, 25*, 109-112. doi:10.1017/S2045796015001146

Delvecchio, G., Garzitto, M., Fagnani, C., Fornasari, L., Stazi, M. A., Picardi, A., Ciappolino, V., Fabbro, F., Altamura, A. C., & Brambilla, P. (2016). Normative data and effects of age and gender on temperament and character dimensions across the lifespan in an italian population: A cross-sectional validation study. *Journal of Affective Disorders, 204*, 83-91.

Maggioni, E., Bellani, M., Altamura, A. C., & Brambilla, P. (2016). Neuroanatomical voxel-based profile of schizophrenia and bipolar disorder. *Epidemiology and Psychiatric Sciences, 25*(4), 312-316. doi:10.1017/S2045796016000275

Squarcina, L., Fagnani, C., Bellani, M., Altamura, C. A., & Brambilla, P. (2016). Twin studies for the investigation of the relationships between genetic factors and brain abnormalities in bipolar disorder. *Epidemiology and Psychiatric Sciences, 25*(6), 515-520. doi:10.1017/S2045796016000615

Fornasari, L., Picardi, A., Garzitto, M., Gigantesco, A., Sala, M., Romanò, M., Fabbro, F., & Brambilla, P. (2015). Reliability and normative data of the perceptual aberration scale in an Italian juvenile general population sample. *Psychiatry Research, 228*(3), 495-500. doi:10.1016/j.psychres.2015.05.058

Garzitto, M., Picardi, A., Fornasari, L., Gigantesco, A., Sala, M., Fagnani, C., Stazi, M. A., Ciappolino, V., Fabbro, F., Altamura, A. C., & Brambilla, P. (2015). Normative data of the

magical ideation scale from childhood to adulthood in an Italian cohort. *Comprehensive Psychiatry, 69*(8), 78-87. doi:10.1016/j.comppsych.2016.05.007

O'Donoghue, S., Cannon, D. M., Perlini, C., Brambilla, P., & McDonald, C. (2015). Applying neuroimaging to detect neuroanatomical dysconnectivity in psychosis. *Epidemiology and Psychiatric Sciences, 24*, 298-302. doi:10.1017/S2045796015000074

Peruzzo, D., Castellani, U., Perlini, C., Bellani, M., Marinelli, V., Rambaldelli, G., Lasalvia, A., Tosato, S., De Santi, K., Murino, V., Ruggeri, M., Brambilla, P., & PICOS-Veneto Group (2015). Classification of first-episode psychosis: a multi-modal multi-feature approach integrating structural and diffusion imaging. *Journal of Neural Transmission, 122*(6), 897-905. doi:doi:10.1007/s00702-014-1324-x

Picardi, A., Fagnani, C., Medda, E., Toccaceli, V., Brambilla, P., & Stazi, M. (2015). Genetic and environmental influences underlying the relationship between autistic traits and temperament and character dimensions in adulthood. *Comprehensive Psychiatry, 58*, 178-188. doi:10.1016/j.comppsych.2014.12.018

Brambilla, P., Fagnani, C., Cecchetto, F., Medda, E., Bellani, M., Salemi, M., Picardi, A., & Stazi, M. A. (2014). Genetic and environmental bases of the interplay between magical ideation and personality. *Psychiatry Research, 215*(2), 453-459. doi:10.1016/j.psychres.2013.11.021

Fagnani, C., Bellani, M., Soares, J. C., Stazi, M. A., & Brambilla, P. (2014). Discordant twins as a tool to unravel the aetiology of bipolar disorder. *Epidemiology and Psychiatric Sciences, 23*(2), 137-140. doi:10.1017/S2045796014000055

Tomasino, B., Fabbro, F., & Brambilla, P. (2014). How do conceptual representations interact with processing demands: An fMRI study on action- and abstract-related words. *Brain Research, 1591*, 38–52. doi:10.1016/j.brainres.2014.10.008

266/12 – "One ear is better than two; but why and when?"
Investigadores/*Researchers*: Veena Kumari, Elena Antonova
Instituição/*Institution*: Institute of Psychiatry (IoP), King's College London (UK)
Duração/*Duration*: 2013/03 – 2015/03

Peer-reviewed publications

Kumari, V., Hamid, A., Brand, A., & Antonova, E. (2014). Acoustic prepulse inhibition: one ear is better than two but why and when? *Psychophysiology*, *52(*5), 714-721. doi:10.1111/psyp.12391

270/12 – "Synchronicity and psi: A controlled comparison"
Investigadores/*Researchers*: John Palmer, Nick Edington
Instituição/*Institution*: Rhine Research Center, Durham (USA)
Duração/*Duration*: 2013/03 – 2015/01

Peer-reviewed publications

Palmer, J. (2016). Psi and synchronicity: A controlled comparison. *Journal of the Society for Psychical Research, 80*(4), 193-213.

272/12 – "Exploring the interactions between paranormal belief and disbelief and subjective experiences with the Shakti helmet"
Investigadores/*Researchers*: Christine Simmonds-Moore, Don Rice, Ron Hopkins, Richard LaFleur, Chase O'Gwin
Instituição/*Institution*: Psychology Department, University of West Georgia, Carrollton (USA)
Duração/*Duration*: 2013/09 – 2016/10

Peer-reviewed publications

Simmonds-Moore, C. A., Alvarado, C. S., & Zingrone, N. L. (2019). A survey exploring synesthetic experiences: Exceptional experiences, schizotypy, and psychological well-being. *Psychology of Consciousness: Theory, Research, and Practice, 6*(1), 99-121.

Simmonds-Moore, C., Rice, D., & O'gwin, C. (2019). My brain is cool: A thematic analysis of exceptional experiences among sceptics. *Journal of the Society for Psychical Research, 84*(4), 193-211.

Simmonds-Moore, C., Rice, D., O'Gwin, C., & Hopkins, R. (2017). Exceptional experiences following exposure to a sham "God helmet": Evidence for placebo, individual difference and time of day influences. *Journal Imagination, Cognition, and Personality*. doi:10.1177/0276236617749185

Publicações revistas por pares – Apoios à Investigação Científica 2014/15
Peer-reviewed publications – Grants for Scientific Research 2014/15

51/14 – "The dissociated self: An investigation of emotional responses to a new body-threat task in those predisposed to anomalous body experiences, dissociation and disembodiment"
Investigador/*Researcher*: Jason John Braithwaite
Instituição/*Institution*: School of Psychology, University of Birmingham (UK)
Duração/*Duration*: 2015/09 – 2018/07

Peer-reviewed publications

Braithwaite, J. J., Watson, D. G., & Dewe, H. (2020). The Body-Threat Assessment Battery (BTAB): A new instrument for the quantification of threat-related autonomic affective responses induced via dynamic movie clips. *International Journal of Psychophysiology*. doi:10.1016/j.ijpsycho.2020.04.018

Dewe, H., Watson, D. G., Kessler, K., & Braithwaite, J. J. (2018). The depersonalized brain: New evidence supporting a distinction between depersonalization and derealization from discrete patterns of autonomic suppression observed in a non-clinical sample. *Consciousness and Cognition, 63*, 29-46. doi:10.1016/j.concog.2018.06.008

Braithwaite, J. J., Watson, D. G., & Dewe, H. (2017). Predisposition to out-of-body experience (OBE) is associated with aberrations in multisensory integration: Psychophysiological support from a "rubber hand illusion" study. *Journal of Experimental Psychology: Human Perception and Performance, 43*(6), 1125-1143. doi:10.1037/xhp0000406

Dewe, H., Watson, D., & Braithwaite, J. J. (2016). Uncomfortably numb: new evidence for suppressed emotional reactivity in response to body-threats in those predisposed to sub-clinical dissociative experiences. *Cognitive Neuropsychiatry,* 377-401. doi:/10.1080/13546805.2016.1212703

74/14 – "Optogenetic circuit dissection of neural instructive signals for cerebellum-dependent learning"
Investigadores/*Researchers*: Dominique Leon Pritchett, Catarina Albergaria, Megan R. Carey
Instituição/*Institution*: Champalimaud Centre for the Unknown. Lisboa (Portugal)
Duração/*Duration*: 2015/06 – 2018/06

Peer-reviewed publications

Albergaria, C., Silva, N. T., Pritchett, D. L., & Carey, M. R. (2018). Locomotor activity modulates associative learning in mouse cerebellum. *Nature Neuroscience, 21(5),* 725-735. doi:10.1038/s41593-018-0129-x

83/14 – "Electrophysiological correlates of the incorporation of recent memory sources into REM and non-REM dreams and of levels of insight following REM and non-REM dream interpretation"
Investigadores/*Researchers*: Mark Blagrove, Chris Edwards, Jean-Baptiste Eichenlaub, Perrine Ruby
Instituição/*Institution*: College of Human and Health Sciences, Department of Psychology, Swansea University (UK)
Duração/*Duration*: 2015/03 – 2017/09

Peer-reviewed publications

Blagrove, M., Edwards, C., van Rijn, E., Reid, A., Malinowski, J., Bennett, P., Carr, M., Eichenlaub, J.-P., McGee, S., Evans, K., & Ruby, P. (2019). Insight from the Consideration of

REM dreams, Non-REM Dreams and Daydreams. *Psychology of Consciousness: Theory, Research, and Practice*, *6*(2), 138-162. doi:10.1037/cns0000167

van Rijn, E., Reid, A., Edwards, C., Malinowski, J., Ruby, P., Eichenlaub, J.-B., & Blagrove, M. (2018). Daydreams incorporate recent waking life concerns but do not show delayed ('dream-lag') incorporations. *Consciousness and Cognition, 58*, 51-59. doi:10.1016/j.concog.2017.10.011

85/14 – "**The clinical gut: Examining the cognitive processes and neural underpinnings of judgments, feelings of rightness and its impact on information seeking"**
Investigadores/*Researchers*: Ana Sofia Bilreiro Jacinto Braga, Anne Krendl, Cara Charissa Lewis, Cilia Witteman, Elizabeth Collins, João Braga
Instituição/*Institution*: Centro de Investigação e Intervenção Social (CIS-IUL), ISCTE - Instituto Universitário de Lisboa (Portugal); Department of Psychological and Brain Sciences - Indiana University Bloomington (USA)
Duração/*Duration*: 2015/05 – 2021/02

Peer-reviewed publications

Braga, J. N. & Jacinto, S. (2022). Effortless online shopping? How online shopping contexts prime heuristic processing. *Journal of Consumer Behavior,* 1-13. doi:10.1002/cb.2032

Jacinto, S., Braga, J. N., Ferreira, M., Collins, E. C., Krendl, A. C., & Lewis, C. C. (2021). Psychological disorder diagnosis is no cure for trait inferences bias. *Journal of Applied Social Psychology, 51*(11), 1061-1072. doi:10.1111/jasp.12821

Jacinto, S., Lewis, C., Braga, J., & Scott, K. (2018). A conceptual model for generating and validating in-session clinical judgments. *Psychotherapy Research, 28*(1), 91-105. doi:10.1080/10503307.2016.1169329

87/14 – "**Following my heart: Interoceptive sensitivity in infant cognitive development"**
Investigadores/*Researchers*: Emmanouil Tsakiris, Lara Maister
Instituição/*Institution*: Department of Psychology, Royal Holloway, University of London (UK)
Duração/Duration: 2015/09 – 2017/07

Peer-reviewed publications

Badoud, D., & Tsakiris, M. (2017). From the body's viscera to the body's image: Is there a link between interoception and body image concerns? *Neuroscience & Biobehavioral Reviews, 77*, 237-246. doi:10.1016/j.neubiorev.2017.03.017

Fotopoulou, A., & Tsakiris, M. (2017). Mentalizing homeostasis: the social origins of interoceptive inference. *Neuropsychoanalysis, 19*(1), 3-28. doi:10.1080/15294145.2017.1294031

Maister, L., Tang, T., & Tsakiris, M. (2017). Neurobehavioral evidence of interoceptive sensitivity in early infancy. *eLife, 6*: e25318. doi:10.7554/eLife.25318

118/14 – "Recursive consciousness training: Using neurofeedback to induce altered states"
Investigadores/*Researchers*: Amir Raz, Niels Birbaumer, Robert T Thibault
Instituição/*Institution*: Montreal Neurological Institute, McGill University (Canada); Institute of Medical Psychology and Behavioral Neurobiology, University of Tübingen (Germany)
Duração/*Duration*: 2015/09 – 2017/11

Peer-reviewed publications

Thibault, R., Veissière, S., Olson, J. A., & Raz, A. (2018). Treating ADHD with suggestion: Neurofeedback and placebo therapeutics. *Journal of Attention Disorders,22*(8) 707-711. doi:10.1177/1087054718770012

Landry, M., Stendel, M., Landry, M., & Raz, A. (2018). Hypnosis in palliative care: from clinical insights to the science of self-regulation. *Annals of Palliative Medicine, 7*(1), 125-135. doi:10.21037/apm.2017.12.05

Thibault, R.T., MacPherson, A., Lifshitz, M., Roth, R. R., & Raz, A. (2018). Neurofeedback with fMRI: A critical systematic review. *NeuroImage, 172*, 786-807. doi:10.1016/j.neuroimage.2017.12.071

Landry, M., Lifshitz, M., & Raz, A. (2017). Brain correlates of hypnosis: A systematic review and meta-analytic exploration. *Neuroscience & Biobehavioral Reviews, 81*(Pt A), 75-98. doi:10.1016/j.neubiorev.2017.02.020

Thibault, R. T., Lifshitz, M., & Raz, A. (2017). The climate of neurofeedback: Scientific rigour and the perils of ideology. *Brain,141*(2), e11. doi:10.1093/brain/awx330

Thibault, R. T., & Raz, A. (2017). The psychology of neurofeedback: Clinical intervention even if applied placebo. *American Psychologist, 72*(7), 679-688.

Lifshitz, M., Thibault, R. T., Roth, R., & Raz, A. (2017). Source localization of brain states associated with canonical neuroimaging postures. *Journal of Cognitive Neuroscience, 29*(7),1292-1301. doi:10.1162/jocn_a_01107

Thibault, R. T., Lifshitz, M., & Raz, A. (2017). Neurofeedback or Neuroplacebo*? Brain, 140*(4), 862–864. doi:10.1093/brain/awx033

Thibault, R. T., & Raz, A. (2016). Imaging posture veils neural signals. *Frontiers in Human Neuroscience, 10*, 1-8. doi:10.3389/fnhum.2016.00520

Thibault, R. T., & Raz, A. (2016). Neurofeedback: The power of psychosocial therapeutics. *The Lancet Psychiatry, 3*(11), e18. doi:10.1016/S2215-0366(16)30326-1

Thibault, R. T., Lifshitz, M., & Raz, A. (2016). The self-regulating brain and neurofeedback: Experimental science and clinical promise. *Cortex, 74*, 247-261. doi:10.1016/j.cortex.2015.10.024

Thibault, R. T., & Raz, A. (2016). When can neurofeedback join the clinical armamentarium? *The Lancet Psychiatry, 3*(6), 497-498. doi:10.1016/S2215-0366(16)30040-2

Thibault, R.T., Lifshitz, M., & Raz, A. (2016). Body position alters human resting-state: Insights from multi-postural magnetoencephalography. *Brain Imaging and Behavior, 10*(3), 772-780. doi:10.1007/s11682-015-9447-8

121/14 – "Maternal brain gain: Changes in neural representations and body perception during pregnancy"

Investigadores/*Researchers*: Jane Aspell, Flavia Cardini
Instituição/*Institution*: Anglia Ruskin University, Cambridge (UK)
Duração/*Duration*: 2015/11 – 2019/06

Peer-reviewed publications

Cardini, F., Fatemi-Ghomi, N., Gajewska-Knapik, K., Gooch, V., & Aspell, J. E. (2019). Enlarged representation of peripersonal space in pregnancy. *Scientific Reports, 9*:8606. doi:10.1038/s41598-019-45224-w

122/14 – "Internal and external world in parietal cortex"

Investigador/*Researcher*: Paolo Capotosto
Instituição/*Institution*: Department of Neuroscience, Imaging and Clinical Science, University "G. D'Annunzio", Chieti (Italy)
Duração/*Duration*: 2015/02 – 2016/09

Peer-reviewed publications

Capotosto, P., Baldassarre, A., Sestieri, C., Spadone, S., Romani, G. L., & Corbetta, M. (2017). Task and regions specific top-down modulation of alpha rhythms in parietal. *Cerebral Cortex, 27*(10), 4815-4822. doi:10.1093/cercor/bhw278

Spadone, S., Sestieri, C., Baldassare, A., & Capotosto, P. (2017). Temporal dynamics of TMS interference over preparatory alpha activity during semantic decisions. *Scientific Reports, 7*: 2372. doi:10.1038/s41598-017-02616-0

Baldassarre, A., Capotosto, P., Committeri, G., & Corbetta, M. (2016). Magnetic stimulation of visual cortex impairs perceptual learning. *Neuroimage, 143*: 250-255. doi:10.1016/j.neuroimage.2016.08.063

128/14 – "Autonomic nerve recordings applied as a novel psychophysiological tool for Consciousness Science"

Investigadores/*Researchers*: Hugo Dyfrig Critchley, Peter Taggart, Yrsa Sverrisdottir
Instituição/*Institution*: Brighton and Sussex Medical School, University of Sussex (UK); Department of Physiology, Anatomy and Genetics, University of Oxford (UK)
Duração/*Duration*: 2015/09 – 2021/11

Peer-reviewed publications

Critchley, H. D., Botan, V., & Ward, J. (2021). Absence of reliable physiological signature of illusory body ownership revealed by fine-grained autonomic measurement during the rubber hand illusion. *PLoS ONE, 16*(4): e0237282. doi:10.1371/journal.pone.0237282

Khalsa S.S., Adolphs R., Cameron O.G., Critchley H.D., Davenport P.W., ... the Interoception Summit 2016 participants (2018). Interoception and mental health: A roadmap. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. doi:10.1016/j.bpsc.2017.12.004

132/14 – "How memories form: Does consistency in neural activity promote successful learning?"
Investigadores/*Researchers*: Louis Renoult, Fraser Smith
Instituição/*Institution*: School of Psychology, University of East Anglia, Norwich (UK)
Duração/*Duration*: 2015/01 – 2019/05

Peer-reviewed publications

Debruille, J. B., Touzel, M., Segal, J., Snidal, C., & Renoult, L. (2019). A central component of the N1 event-related brain potential could index the early and automatic inhibition of the actions systematically activated by objects. *Frontiers in Behavioral Neuroscience, 13*:95. doi:10.3389/fnbeh.2019.00095

Sievers, C., Bird, C.M., & Renoult, L. (2019). Predicting memory formation over multiple study episodes. *Learning & Memory*, *26*, 465-472. doi:10.1101/lm.049791.119

143/14 – "From audio-visual perception to action: The processing of spatio-temporal components"
Investigadores/*Researchers*: Sandra Mouta, Joana Vieira
Instituição/*Institution*: Association/ZGDV – Centro de Computação Gráfica, Guimarães (Portugal)
Duração/*Duration*: 2015/10 – 2019/03

Peer-reviewed publications

Pazhoohi, F., Silva, C., Lamas, J., Mouta, S., Santos, J., & Arantes, J. (2018). The effect of height and shoulder-to-hip ratio on interpersonal space in virtual environment. *Psychological Research*. doi:doi.org/10.1007/s00426-017-0968-1

Silva, R. M., Lamas, J., Silva, C. C., Coello, Y., Mouta, S., & Santos, J. A. (2017). Judging time-to-passage of looming sounds: Evidence for the use of distance-based information. *PLoS ONE, 12*(5): e0177734. doi:10.1371/journal.pone.0177734

Silva, C., Mouta, S., & Santos, J. (2016). Choosing audio devices on the basis of listeners' spatial perception: A case study of Headphones vs in-Earphones. In *Consumer Electronics-Berlin (ICCE-Berlin), 2016 IEEE 6th International Conference on Consumer Electronics* (pp. 129-132). IEEE, Berlim, Germany. doi:10.1109/ICCE-Berlin.2016.7684737

Silva, R. M., Sousa, E., Fonseca, P., Pinheiro, A. R., Silva, C., Correia, V. M., & Mouta, S. (2016). Analysis and quantification of upper-limb movement in motor rehabilitation after stroke. *Converging Clinical and Engineering Research on Neurorehabilitation II: Proceedings of the 3rd International Conference on NeuroRehabilitation (ICNR2016), October 18-21, 2016, Segovia, Spain* (pp. 209-213). doi:10.1007/978-3-319-46669-9_37

150/14 – "Measuring the Self: behavioural and neural correlates of bodily awareness"
Investigadores/*Researchers*: Emmanuele Tidoni, Gaetano Tieri, Matteo Candidi, Salvatore Maria Aglioti
Instituição/*Institution*: Social Cognitive Neuroscience Laboratory, Department of Psychology, University of Rome "La Sapienza" (Italy)
Duração/*Duration*: 2015/02 – 2017/03

Peer-reviewed publications

Tieri, G., Morone, G., Paolucci, S., & Iosa, M. (2018). Virtual reality in cognitive and motor rehabilitation: facts, fiction and fallacies. *Expert Review of Medical Devices, 15*(2), 107-117. doi:10.1080/17434440.2018.1425613

Tidoni, E., Abu-Alqumsan, M., Leonardis, D., Kapeller, C., Fusco, G., … Aglioti, S. M. (2017). Local and Remote Cooperation with Virtual and Robotic Agents: a P300 BCI Study in Healthy and People Living with Spinal Cord Injury. *IEEE Transactions on Neural Systems and Rehabilitation Engineering, 25*(9), 1622-1632. doi:10.1109/TNSRE.2016.2626391

Fusco, G., Tidoni, E., Barone, N., Pilati, C., & Aglioti, S. M. (2016). Illusion of arm movement evoked by tendon vibration in patients with spinal cord injury. *Restorative Neurology and Neuroscience, 34*(5), 815-826. doi:10.3233/RNN-160660

Tidoni, E., Gergondet, P., Fusco, G., Kheddar, A., & Aglioti, S. (2016). The role of audiovisual feedback in a thought-based control of a humanoid robot: a BCI study in healthy and spinal cord injured people. *IEEE Transactions on Neural Systems and Rehabilitation Engineering, 25*(6), 772-781. doi:10.1109/TNSRE.2016.2597863

Tidoni, E., Scandola, M., Orvalho, V., & Candidi, M. (2016). Apparent Biological Motion in First and Third Person Perspective. *I-Perception, 7*(5), 2041669516669156. doi:10.1177/2041669516669156

Tidoni, E., Tieri, G., & Aglioti, S. M. (2015). Re-establishing the disrupted sensorimotor loop in deafferented and deefferented people: The case of spinal cord injuries. *Neuropsychologia, 79*(Pt B), 301-309. doi:10.1016/j.neuropsychologia.2015.06.029

Tieri, G., Tidoni, E., Pavone, E. F., & Aglioti, S. M. (2015). Body visual discontinuity affects feeling of ownership and skin conductance responses. *Scientific Reports, 5*: 17139. doi:10.1038/srep17139

Tieri, G., Tidoni, E., Pavone, E. F., & Aglioti, S. M. (2015). Mere observation of body discontinuity affects perceived ownership and vicarious agency over a virtual hand. *Experimental Brain Research, 233*(4), 1247-1259. doi:10.1007/s00221-015-4202-3

161/14 – "Individual differences in infants' stress reactivity"

Investigadores/*Researchers*: Edward Charles Tronick, Erin Duffy, Jennifer A. DiCorcia

Instituição/*Institution*: Child Development Unit, University of Massachusetts Boston (USA)

Duração/*Duration*: 2015/04 – 2018/06

Peer-reviewed publications

Mueller, I., Snidman, N., DiCorcia, J. A., & Tronick, E. (2021). Acute maternal stress disrupts infant regulation of the autonomic nervous system and behavior: A CASP study. *Frontiers in Psychiatry, 12*, 714664. doi:10.3389/fpsyt.2021.714664

Tronick, E., Mueller, I., DiCorcia, J., Hunter, R., & Snidman, N. (2020). A caretaker acute stress paradigm: Effects on behavior and physiology of caretaker and infant. *Developmental Psychobiology*. doi:10.1002/dev.21974

163/14 – "Sacred values underlying conflict proneness: A neuroimaging study of religious and nationalist radicals"

Investigadores/*Researchers*: Adolf Tobena, Clara Petrus, Joseph Hilferty, Oscar Vilarroya, Scott Atran

Instituição/*Institution*: Department of Psychiatry and Forensic Medicine UAB, Bellaterra Campus (Spain)

Duração/*Duration*: 2015/02 – 2019/04

Peer-reviewed publications

Tobena, A. (2021). *Fragmented Catalonia: Divisive legacies of a push for secession.* Lanham, Maryland: Policy Network/Rowman & Littlefield International.

Oller, J., Satorra, A., & Tobeña, A. (2020). Privileged rebels: A longitudinal analysis of distinctive economic traits of Catalonian secessionism. *Genealogy, 4*(1), 19. doi:10.3390/genealogy4010019

Hamid, N., Pretus, C., Atran, S., Crockett, M. J., Ginges, J., Sheikh, H., ... Vilarroya, O. (2019). Neuroimaging 'will to fight' for sacred values: an empirical case study with supporters of an Al Qaeda associate. *Royal Society Open Science, 6*: 181585. doi:10.1098/rsos.181585

Oller, J. M., Satorra, A., & Tobeña, A. (2019). Unveiling pathways for the fissure among secessionists and unionists in Catalonia: identities, family language, and media influence. *Palgrave Communications, 5*:148. doi:10.1057/s41599-019-0357-z

Pretus, C., Hamid, N., Sheikh, H., Gómez, Á., Ginges, J., Tobeña, A., Davis, R., Vilarroya, O., & Atran, S. (2019). Ventromedial and dorsolateral prefrontal interactions underlie will to fight and die for a cause. *Social Cognitive and Affective Neuroscience, nsz03*4. doi:10.1093/scan/nsz034

Pretus, C., Hamid, N., Sheikh, H., Ginges, J., Tobeña, A., Davis, R., Vilarroya, O., & Atran, S. (2018). Neural and behavioral correlates of sacred values and vulnerability to violent extremism. *Frontiers in Psychology, 9*: 2462. doi:10.3389/fpsyg.2018.02462

Tobeña, A. (2018). Entrenched catalonia: A secessionist venture trapped on an ethno-political draw. Psychology, 9, 460-471. doi:10.4236/psych.2018.93028

Tobeña A. (2017). Secessionist urges in Catalonia: Media indoctrination and social pressure effects. *Psychology, 8*, 77-96. doi:10.4236/psych.2017.81006

178/14 – "A study of the relationship between mindfulness, distraction and brain stimulation"
Investigadores/*Researchers*: Fabrice Parmentier, Javier Garcia-Campayo, Margalida Gili-Planas, Mauro García-Toro, Pilar Andrés
Instituição/*Institution*: University of the Balearic Islands, Palma (Spain); Hospital Universitario Miguelñ Servet, Zaragoza (Spain)
Duração/Duration: 2015/06 – 2019/07

Peer-reviewed publications

Parmentier, F., Mauro-García, M., García-Campayo, J., Yañez, A. M., Andrés, P., & Gili-Planas, M. (2019). Mindfulness and symptoms of depression and anxiety in the general population: The mediating roles of worry, rumination, reappraisal and suppression. *Frontiers in Psychology, 10*:506. doi:10.3389/fpsyg.2019.00506

180/14 – "Cognitive mechanisms of word learning: Contributions from amnesic patients and healthy ageing"
Investigadores/*Researchers*: Tânia Patrícia Gregório Fernandes, Ana Luísa Nunes Raposo, Maria Isabel Segurado Pavão Martins Catarino Petiz, Rita Isabel Saraiva Jerónimo
Instituição/*Institution*: Faculdade de Psicologia da Universidade de Lisboa - FP-ULisboa (Portugal)
Duração/*Duration*: 2016/02 – 2019/07

Peer-reviewed publications

Araújo, S., Fernandes, T., & Huettig, F. (2018). Learning to read facilitates the retrieval of phonological representations in rapid automatized naming: Evidence from unschooled illiterate, ex-illiterate, and schooled literate adults. *Developmental Science*, e12783. doi:doi:10.1111/desc.12783

184/14 – "Decoding neural representations of human tool use from fMRI response patterns"
Investigadores/*Researchers*: Stephanie Batista Rossit, Fraser Wilson Smith
Instituição/*Institution*: School of Psychology, University of East Anglia, Norwich (UK)
Duração/*Duration*: 2015/10 – 2020/11

Peer-reviewed publications

Knights, E., Smith, F., & Rossit, S. (2022). The role of the anterior temporal cortex in action: Evidence from fMRI multivariate searchlight analysis during real object grasping. *Scientific Reports, 12*(1), 9042. doi:10.1038/s41598-022-12174-9

Knights, E., Mansfield, C., Tonin, D., Saada, J., Smith, F., & Rossit, S. (2021). Hand-selective visual regions represent how to grasp 3D tools: brain decoding during real actions. *Journal of Neuroscience, 41*(24), 5263-5273. doi:10.1523/JNEUROSCI.0083-21.2021

206/14 – "Examination of brain coordination dynamics underlying hypnosis and volitional acts using intracranial electroencephalography"
Investigadores/*Researchers*: Jose Luis Perez Velazquez, Navinder Persaud, Taufik A. Valiante
Instituição/*Institution*: Hospital for Sick Children, Neurology, University of Toronto (Canada); Toronto Western Hospital (Canada)
Duração/*Duration*: 2015/05 – 2017/11

Peer-reviewed publications

Gómez-Ramírez, J., Freedman, S., Mateos, D., Perez Velazquez, J. L., & Valiante, T. (2017). Exploring the alpha desynchronization hypothesis in resting state networks with intracranial electroencephalography and wiring cost estimates. *Scientific Reports, 7*(1):15670. doi:10.1038/s41598-017-15659-0

207/14 – "The role of astrocytes in complex cognitive processing"
Investigadores/*Researchers*: João Filipe Pedreira de Oliveira, Joana Correia, Luísa Pinto, Nuno Dias, Sónia Guerra Gomes, Vanessa Sardinha, Inês Caetano Campos
Instituição/*Institution*: Life and Health Sciences Research Institute - ICVS/3B's - Government Associate Laboratory, Universidade do Minho, Braga (Portugal)
Duração/*Duration*: 2015/10 – 2019/11

Peer-reviewed publications

Canedo, T., Portugal, C. C., Socodato, R., Almeida, T., Terceiro, A., Bravo, J., Silva, A., Magalhães, J., Guerra-Gomes, S., Oliveira, J. F., Sousa, N., Magalhães, A., Relvas, J., &

Summavielle, T. (2021). Astrocyte-derived TNF and glutamate critically modulate microglia activation by methamphetamine. *Neuropsychopharmacology*. doi:10.1038/s41386-021-01139-7

Campos, J., Guerra-Gomes, S., Serra, S. C., Baltazar, G., Oliveira, J. F., Teixeira, F. G., & Salgado, A. J. (2020). Astrocyte signaling impacts the effects of human bone marrow mesenchymal stem cells secretome application into the hippocampus: A proliferation and morphometrical analysis on astrocytic cell populations. *Brain Research, 1732*: 146700. doi:10.1016/j.brainres.2020.146700

Guerra-Gomes, S., Cunha-Garcia, D., Marques Nascimento, D. S., Duarte-Silva, S., Loureiro-Campos, E., Morais Sardinha, V., ... Oliveira, J. F. (2020). IP3R2 null mice display a normal acquisition of somatic and neurological development milestones. *European Journal of Neuroscience*. doi:10.1111/ejn.14724

Rodrigues, J. A., Pimenta, S., Pereira, J. P., Gomes, N. M., Souto, M. R., Fernandes, H. C., … Correia, J. H. (2020). Low-cost silicon neural probe: fabrication, electrochemical characterization and in vivo validation. *Microsystem Technologies*. doi:10.1007/s00542-020-04898-3

Falcón-Moya, R., Pérez-Rodríguez, M., Prius-Mengual, J., Andrade-Talavera, Y., Arroyo-García, L. E., Pérez-Artés, R., ..., Rodríguez-Moreno, A. (2020). Astrocyte-mediated switch in spike timing-dependent plasticity during hippocampal development. *Nature Communications, 11*, Article number: 4388. doi:10.1038/s41467-020-18024-4

Guerra-Gomes, S., Sousa, N., Pinto, L., & Oliveira, J. F. (2018). Functional roles of astrocyte calcium elevations: From synapses to behavior. *Frontiers in Cellular Neuroscience, 11*: 427. doi:10.3389/fncel.2017.00427

Guerra-Gomes, S., Viana, J. F., Correia, J. S., Caetano, I., Sardinha, V. M., Sousa, N., Pinto, L., & Oliveira, J. F. (2018). The role of astrocytic calcium signaling in the aged prefrontal cortex. *Frontiers in Cellular Neuroscience, 12*: 379. doi:10.3389/fncel.2018.00379

Kafetzopoulos, V., Kokras, N., Sotiropoulos, I., Oliveira, J. F., Leite-Almeida, H., Vasalou, A., Sardinha, V. M., Papadopoulou-Daifoti, Z., Almeida, O. F., Antoniou, K., Sousa, N., & Dalla, C. (2018). The nucleus reuniens: a key node in the neurocircuitry of stress and depression. *Molecular Psychiatry*, *23*(3),579-586. doi:10.1038/mp.2017.55

Sardinha, V. M., Martins, M., Reis, J. S., Correia, J. S., Teixeira-Castro, A., ..., Oliveira, J. F. (2017). Astrocytic signaling supports hippocampal-prefrontal theta synchronization and cognitive function. *Glia, 65*(12), 1-17. doi:10.1002/glia.23205

Tavares, G., Martins, M., Correia, J. S., Sardinha, V. M., Guerra-Gomes, S., Neves, S. P., Marques, F., Sousa, N., & Oliveira, J. F. (2017). Employing an open-source tool to assess astrocyte tridimensional structure. *Brain Structure and Function, 222*(4), 1989-1999. doi:10.1007/s00429-016-1316-8

Oliveira, J. F., Gomes, C. A., Vaz, S. H., Sousa, N., & Pinto, L. (2016). Editorial: Glial Plasticity in Depression. *Frontiers in Cellular Neuroscience, 10*: 163. doi:10.3389/fncel.2016.00163

228/14 – "Pushing consciousness and selfhood towards their boundaries - An EEG neurophenomenological study"

Investigadores/*Researchers*: Joseph Glicksohn, Aviva Berkovich-Ohana, Tal Dotan Ben-Soussan

Instituição/*Institution*: Bar-Ilan University, Ramat Gan (Israel); Fondazione Patrizio Paoletti, Assisi (Italy)

Duração/*Duration*: 2015/02 – 2019/03

Peer-reviewed publications

Glicksohn, J., & Ben-Soussan, T. D. (2020). Immersion, absorption, and spiritual experience: Some preliminary findings. *Frontiers in Psychology, 11*: 2118. doi:10.3389/fpsyg.2020.02118

Lavy, S., & Berkovich-Ohana, A. (2020). From teachers' mindfulness to students' thriving: The mindful self in school relationships (MSSR) model. *Mindfulness, 11*, 2258–2273. doi:10.1007/s12671-020-01418-2

Ben-Soussan, T. D., Mauro, F., Lasaponara, S., Glicksohn, J., Marson, F., & Berkovich-Ohana, A. (2019). Fully immersed: State absorption and electrophysiological effects of the OVO Whole-Body Perceptual Deprivation chamber. *Progress in Brain Research, 244*, 165-184. doi:10.1016/bs.pbr.2018.10.023

Berkovich-Ohana, A., Jennings, P. A., & Lavy, S. (2019). Contemplative neuroscience, self-awareness, and education. In N. Srinivasan (Ed.), *Progress in brain research*: Meditation (Vol. 244, pp. 355–385). Elsevier Academic Press. doi:10.1016/bs.pbr.2018.10.015

Glicksohn, J., & Berkovich-Ohana, A. (2019). When meditators avoid counting during time production things get interesting. *PsyCh Journal, 8*, 17–27. doi:10.1002/pchj.250

Glicksohn, J., Berkovich-Ohana, A., Mauro, F., & Ben-Soussan, T. D. (2019). Individual EEG alpha profiles are gender-dependent and indicate subjective experiences in whole-body perceptual deprivation. *Neuropsychologia, 125*, 81-92. doi:10.1016/j.neuropsychologia.2019.01.018

Millière, R., Carhart-Harris, R. L., Roseman, L., Trautwein, F. M., & Berkovich-Ohana, A. (2018). Psychedelics, meditation, and self-consciousness. *Frontiers in Psychology, 9*: 1475. doi:10.3389/fpsyg.2018.01475

Berkovich-Ohana, A., & Wittmann, M. (2017). A typology of altered states according to the consciousness state space (CSS) model: A special reference to subjective time. *Journal of Consciousness Studies, 24*, 37-61.

Glicksohn, J., Berkovich-Ohana, A., Mauro, F., & Ben-Soussan, T. D. (2017). Time perception and the experience of time when immersed in an altered sensory environment. *Frontiers in Human Neuroscience, 11*:487. doi:10.3389/fnhum.2017.00487

233/14 – "Training anomalous cognition in a motor task with subliminal auditory feedback"
Investigador/*Researcher*: John Albert Palmer
Instituição/*Institution*: Rhine Research Center, Durham, NC (USA)
Duração/*Duration*: 2015/04 – 2018/02

Peer-reviewed publications

Palmer, J. (2018). Training anomalous cognition in a motor task with subliminal auditory feedback. *Journal of Parapsychology, 82*, 132-147. doi:10.30891/jopar.2018.02.05

234/14 – "Inhibitory processing in the aging brain: Disentangling the effects of age, chronotype, time of day and executive control"
Investigadores/*Researchers*: José Augusto Simões Gonçalves Leitão, Ana Cardoso Allen Gomes, Chiara Guerrini, Isabel Maria Barbas dos Santos
Instituição/*Institution*: Centro de Investigação do Núcleo de Estudos e Intervenção Cognitivo-Comportamental - CINEICC, Universidade de Coimbra (Portugal)
Duração/*Duration*: 2016/01 – 2020/09

Peer-reviewed publications

Pires, L., Leitão, J., Guerrini, C., & Simões, M. R. (2017). Cognitive control during a spatial Stroop task: Comparing conflict monitoring and prediction of response-outcome theories. *Acta Psychologica*. doi:doi:10.1016/j.actpsy.2017.06.009

242/14 – "The role of affective dimensions in the perception of facial expressions of emotion: Neuropsychophysiological, developmental, and neuroimaging examination of an affective predictive coding framework"
Investigadores/*Researchers*: Fernando Ricardo Ferreira Santos, Eva Inês Costa Martins, Francisco Sá Ferreira Loureiro Pipa, Manuel Fernando Santos Barbosa, Michelle de Haan, Pedro Manuel Rocha Almeida, Tiago de Oliveira Paiva, Torsten Baldeweg
Instituição/*Institution*: Laboratory of Neuropsychophysiology - Faculty of Psychology and Educational Sciences of the University of Porto (Portugal)
Duração/*Duration*: 2015/10 – 2021/01

Peer-reviewed publications

Lee, K. M., Ferreira-Santos, F., & Satpute, A. B. (2021). Predictive processing models and affective neuroscience. *Neuroscience & Biobehavioral Reviews, 131,* 211-228. doi:10.1016/j.neubiorev.2021.09.009

Pereira, M. R., Barbosa, F., de Haan, M., & Ferreira-Santos, F. (2019). Understanding the development of face and emotion processing under a predictive processing framework. *Developmental Psychology, 55*(9), 1868-1881. doi:10.1037/dev0000706

Ferreira-Santos, F. (2016). The role of arousal in predictive coding (Commentary). *Behavioral and Brain Sciences, 39*, e207. doi:10.1017/S0140525X15001788

Ferreira-Santos, F. (2015). Facial emotion processing in the laboratory (and elsewhere): Tradeoffs between stimulus control and ecological validity. *AIMS Neuroscience, 2*(4), 236-239. doi:10.3934/Neuroscience.2015.4.236

244/14 – "Induced brain plasticity after perinatal stroke: Structural and functional connectivity"
Investigadores/*Researchers*: Antoni Rodriguez-Fornells, Alfredo García-Alix, Carme Fons, Clément François, Jordi Muchart, Laura Bosch, Mónica Rebollo, Pablo Ripollés
Instituição/*Institution*: Department of Basic Psychology, University of Barcelona (Spain); Hospital Sant Joan de Deu, Esplugues de Llobregat (Spain)
Duração/*Duration*: 2015/02 – 2017/09

Peer-reviewed publications

François, C., Garcia-Alix, A., Bosch, L., & Rodriguez-Fornells, A. (2021). Signatures of brain plasticity supporting language recovery after perinatal arterial ischemic stroke. *Brain and Language*. doi:10.1016/j.bandl.2020.104880

François, C., Ripollés, P., Ferreri, L., Muchart, J., Sierpowska, J., Fons, C., ... Rodriguez-Fornells, A. (2019). Right structural and functional reorganization in four-year-old children with perinatal arterial ischemic stroke predict language production. *eNeuro, 6*(4). doi:10.1523/ENEURO.0447-18.2019

François, C., Ripollés, P., Bosch, L., Garcia-Alix, A., Muchart, J., ..., Rodriguez-Fornells, A. (2016). Language learning and brain reorganization in a 3.5-year-old child with left perinatal stroke revealed using structural and functional connectivity. *Cortex, 77*, 95-118.

246/14 – "Anomalous/paranormal experiences reported by nurses themselves and in relation with theirs patients in hospitals: Examining psychological, personality and phenomenological variables"
Investigador/*Researcher*: Alejandro Enrique Parra
Instituição/*Institution*: Instituto de Psicologia Paranormal, Buenos Aires (Argentina)
Duração/*Duration*: 2015/03 – 2017/03

Peer-reviewed publications

Parra, A. (2019). Paranormale opplevelser i sykehus. *Parapsykologiske Notiser, 88*, 13-19.

Parra, A. (2018). A follow-up study on unusual perceptual experiences in hospital settings related by nurses. *Journal of Scientific Exploration, 32*(4), 681–688.

Parra, A. (2018). Experiencias perceptuales inusuales en personal de enfermería y su relación con estrés laboral, esquizotípia, absorción y empatía. *Enfermería Universitaria, 15*(1), 63-78.

Parra, A. (2017). Factores de personalidad, perceptuales y cognitivas asociadas con las experiencias anómalo/paranormales en personal de enfermería. *Cuidarte, 8*(3), 78-87

251/14 – "Signal or noise? Using a psychophysical approach to investigate the effects of attention and neurofeedback training on electrocortical predictive anticipatory activity (PAA) to true random stimuli"
Investigadores/*Researchers*: Michael Franklin, Jonathn Schooler, Stephen Baumgart
Instituição/*Institution*: Department of Psychology and Brain Sciences, University of California at Santa Barbara (USA)
Duração/*Duration*: 2015/04 – 2024/01

Peer-reviewed publications

Schooler, J. W., Baumgart, S., & Franklin, M. (2018). Entertaining without endorsing: The case for the scientific investigation of anomalous cognition. *Psychology of Consciousness: Theory, Research, and Practice, 5*(1), 63–77. doi:10.1037/cns0000151

Baumgart, S., Franklin, M., Jimbo, H., Su, S., & Schooler, J. N. (2017). Prediction of truly random future events using analysis of prestimulus electroencephalographic data. *AIP Conference Proceedings, 1841*(1), 030002. doi:10.1063/1.4982773

253/14 – "The impact of lipid signaling modulation in cognition"
Investigadores/*Researchers*: Tiago Gil Rodrigues Oliveira, Isabel Maria Sousa Castanho, Neide Marina Vieira Pereira, Rita Catarina Ribeiro da Silva, Vítor Manuel da Silva Pinto
Instituição/*Institution*: Life and Health Sciences Institute - ICVS, School of Health Sciences, University of Minho, Braga (Portugal)
Duração/*Duration*: 2015/05 – 2019/09

Peer-reviewed publications

Marinha, L., Castanho, I., Silva, R. R., Bravo, F. V., Miranda, A. M., Meira, T., ... Oliveira, T. G. (2020). Phospholipase D1 ablation disrupts mouse longitudinal hippocampal axis organization and functioning. *Cell Reports, 30*(12), 4197-4208. doi:10.1016/j.celrep.2020.02.102

Miranda, A. M., Bravo, F. V., Chan, R. B., Sousa, N., Di Paolo, G., & Oliveira, T. G. (2019). Differential lipid composition and regulation along the hippocampal longitudinal axis. *Translational Psychiatry, 9*: 144. doi:10.1038/s41398-019-0478-6

257/14 – "Genetics of psychic ability"
Investigadores/*Researchers*: Dean Radin, Garret Yount, Garry Nolan
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA); Stanford University (USA)
Duração/*Duration*: 2015/07 – 2019/06

Peer-reviewed publications

Wahbeh, H., Radin, D., Yount, G., Woodley of Menie, M. A., Sarraf, M. A., & Karpuj, M. V. (2021). Genetics of psychic ability - A pilot case-control exome sequencing study. *Explore*. doi:10.1016/j.explore.2021.02.014

Wahbeh, H., McDermott, K., & Sagher, A. (2018). Dissociative symptoms and anomalous information reception. *Activitas Nervosa Superior, 60*(3-4), 75-85. doi:10.1007/s41470-018-0023-6

Wahbeh, H., & Radin, D. (2018). People reporting experiences of mediumship have higher dissociation symptom scores than non-mediums, but below thresholds for pathological dissociation [version 3; peer review: 2 approved, 1 not approved]. *F1000Research, 6*:1416. doi:10.12688/f1000research.12019.3

260/14 – "Psi-Q: A smartphone testing suite for psi ability"
Investigadores/*Researchers*: Dean Radin, Arnaud Delorme
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2015/07 – 2017/07

Peer-reviewed publications

Mossbridge, J. A., Nisam, M., & Crabtree, A. (2021). Can hypnotic suggestion induce feelings of unconditional love and supernormal performance? *Spirituality in Clinical Practice, 8*(1), 30–50. doi:10.1037/scp0000239

Mossbridge, J., & Radin, D. (2021). Psi performance as a function of demographic and personality factors in smartphone-based tests: Using a "SEARCH" approach. *Journal of Anomalous Experience and Cognition, 1(1-2),* 18-113. doi:10.31156/jaex.23419

Mossbridge, J. A., & Radin, D. (2018). Precognition as a form of prospection: A review of the evidence. *Psychology of Consciousness: Theory, Research, and Practice, 5*(1), 78–93. doi:10.1037/cns0000121

Mossbridge, J. A., & Radin, D. (2018). Plausibility, statistical interpretations, physical mechanisms and a new outlook: Response to commentaries on a precognition review. *Psychology of Consciousness: Theory, Research, and Practice, 5*(1), 110–116. doi:10.1037/cns0000152

267/14 – "The neurophysiology of vocal imitation of speech"
Investigadores/*Researchers*: Patricia Martine Adank, Joseph Devlin
Instituição/*Institution*: UCL, Speech Hearing and Phonetic Sciences, Division of Psychology and Language, London (UK)
Duração/*Duration*: 2015/10 – 2017/11

Peer-reviewed publications

Virhia, J., Kotz, S. A., & Adank, P. (2019). Emotional state dependence facilitates automatic imitation of visual speech. *Quarterly Journal of Experimental Psychology, 72*(12), 2833-2847. doi:10.1177/1747021819867856

Wu, Y., Evans, B. G., & Adank, P. (201). Sensorimotor training modulates automatic imitation of visual speech. *Psychonomic Bulletin & Review, 26*, 1711–1718. doi:10.3758/s13423-019-01623-8

Adank, P. M., Kennedy-Higgins, D., Maegherman, G., Hannah, R., & Nuttall, H. (2018). Effects of coil orientation on motor evoked potentials from orbicularis oris and first dorsal interosseus. *Frontiers in Neuroscience, 12*: 683. doi:10.3389/fnins.2018.00683

Adank, P., Nuttall, H. E., Maegherman, G., & Bekkering, H. (2018). Effects of stimulus response compatibility on covert imitation of vowels. *Attention, Perception, and Psychophysics, 80*(5), 1290-1299. doi:10.3758/s13414-018-1501-3

Adank, P. M., Nuttall, H., & Kennedy-Higgins, D. (2017). Transcranial magnetic stimulation and motor evoked potentials in speech perception research. *Language, Cognition and Neuroscience, 32*(7), 1-10. doi:10.1080/23273798.2016.1257816

269/14 – "Vestibular updating and the continuity of awareness"
Investigadores/*Researchers*: Patrick Haggard, Elisa Raffaella Ferre, Maria Gallagher, Giulia Elena
Instituição/*Institution*: Institute of Cognitive Neuroscience, University College London (UK)
Duração/*Duration*: 2015/10 – 2017/11

Peer-reviewed publications

Ferrè, E. R., & Haggard, P. (2020). Vestibular cognition: State-of-the-art and future directions. *Cognitive Neuropsychology, 37*(7-8), 413-420. doi:10.1080/02643294.2020.1736018

Abekawa, N., Ferrè, E., Gallagher, M., Gomi, H., & Haggard, P. (2018). Disentangling the visual, motor and representational effects of vestibular input. *Cortex, 104*, 46-57. doi:10.1016/j.cortex.2018.04.003

Ferrè, E., Iannetti, G., van Dijk, J., & Haggard, P. (2018). Ineffectiveness of tactile gating shows cortical basis of nociceptive signaling in the Thermal Grill Illusion. *Scientific Reports, 8*: 6584. doi:10.1038/s41598-018-24635-1

Török, Á., Ferrè, E. R., Kokkinara, E., Csépe, V., Swapp, D., & Haggard, P. (2017). Up, down, near, far: an online vestibular contribution to distance judgement. *PLoS one, 12*(1), e0169990.

Cataldo, A., Ferrè, E., di Pellegrino, G., & Haggard, P. (2016). Thermal referral: evidence for a thermoceptive uniformity illusion without touch. *Scientific Reports, 6*: 35286. doi:10.1038/srep35286

Ferrè, E. R., & Haggard, P. (2016). The vestibular body: Vestibular contributions to bodily representations. *Cognitive Neuropsychology, 33*(1-2), 67-81. doi:10.1080/02643294.2016.1168390

Ferrè, E. R., Haggard, P., Bottini, G., & Iannetti, G. D. (2015). Caloric vestibular stimulation modulates nociceptive evoked potentials. *Experimental Brain Research, 233*, 3393–3401. doi:10.1007/s00221-015-4412-8

277/14 – "Cortical excitability and connectivity in the lifespan: a neurophysiological study"
Investigadores/*Researchers*: Anna Fertonani, Cornelia Pirulli, Alice Bollini
Instituição/*Institution*: IRCCS Istituto Centro San Giovanni di Dio Fatebenefratelli, Brescia (Italy)
Duração/*Duration*: 2015/09 – 2019/06

Peer-reviewed publications

Fertonani, A., Pirulli, C., Bollini, A., Miniussi, C., & Bortoletto, M. (2019). Age-related changes in cortical connectivity influence the neuromodulatory effects of transcranial electrical stimulation. *Neurobiology of Aging, 82*, 77-87. doi:10.1016/j.neurobiolaging.2019.07.009

Fertonani, A., & Miniussi, C. (2017). Transcranial electrical stimulation: What we know and do not know about mechanisms. *The Neuroscientist, 23*(2), 109-123. doi:10.1177/1073858416631966

282/14 – "The mindful eye: Smooth pursuit and saccadic eye movements in meditators and non-meditators"
Investigadores/*Researchers*: Veena Kumari, Elena Antonova
Instituição/*Institution*: Institute of Psychiatry, King's College London (UK)
Duração/*Duration*: 2015/04 – 2016/08

Peer-reviewed publications

Antonova, E., Amaratunga, K., Wright, B., Ettinger, U., & Kumari, V. (2016). Schizotypy and mindfulness: Magical thinking without suspiciousness characterizes mindfulness meditators. *Schizophrenia Research: Cognition*, 5, 1-6. doi:10.1016/j.scog.2016.05.001

Kumari, V., Antonova, E., Wright, B., Hamid, A., Hernandez, E., Schmechtig, A., & Ettinger, U. (2016). The mindful eye: Smooth pursuit and saccadic eye movements in meditators and non-meditators. *Consciousness and Cognition, 48*, 66-75. doi:10.1016/j.concog.2016.10.008

283/14 – "Identifying and characterizing the neuronal circuits required for nutrient choice and their effects on aging"
Investigadores/*Researchers*: Carlos Ribeiro, Ana Paula Elias, Matthew D. W. Piper, Samantha Herbert, Samuel Walker
Instituição/*Institution*: Champalimaud Centre for the Unknown, Lisboa (Portugal)
Duração/*Duration*: 2015/05 – 2017/07

Peer-reviewed publications

Moreira, J. M., Itskov, P. M., Goldschmidt, D., Baltazar, C., Steck, K., Tastekin, I., Walker, S. J., & Ribeiro, C. (2019). optoPAD, a closed-loop optogenetics system to study the circuit basis of feeding behaviors. *eLife,8*: e43924. doi:10.7554/eLife.43924

Carvalho-Santos, Z., & Ribero, C. (2018). Gonadal ecdysone titers are modulated by protein availability but do not impact protein appetite. *Journal of Insect Physiology, 106*, 30-35. doi:10.1016/j.jinsphys.2017.08.006

Steck, K., Walker, S. J., Itskov, P. M., Baltazar, C., Moreira, J.-M., & Ribeiro, C. (2018). Internal amino acid state modulates yeast taste neurons to support protein homeostasis in Drosophila. *ELife, 7*, e31625.

Leitão-Gonçalves, R., Francisco, A. P., Carvalho-Santos, Z., Fioreze, G. T., Anjos, M., Baltazar, C., Elias, A. P., Itskov, P. M., Piper, M. D., & Ribeiro, C. (2017). Commensal bacteria and essential amino acids control food choice behavior and reproduction. *PLoS Biology, 15*(4): e2000862. doi:10.1371/journal.pbio.2000862

Piper, M. D. W., Soultoukis, G. A., Blanc, E., Mesaros, A., Herbert, S. L., He, X., Juricic, P., Salmonowicz, H., Yang, M., Simpson, S. J., Ribeiro, C., & Partridge, L. (2017). Exome matching: a novel in silico approach to optimise dietary amino acid balance for growth and reproduction. *Cell Metabolism, 25*(3), 610-621. doi:10.1016/j.cmet.2017.02.005

Walker, S., Walker, S., & Ribeiro, C. (2017). Craving for the future: The brain as a nutritional prediction system. *Current Opinion in Insect Science, 23*, 96-103. doi:10.1016/j.cois.2017.07.013

Schwabe, L., Lopez-Bendito, G., & Ribeiro, C. (2016). Getting published: how to write a successful neuroscience paper. European Journal of Neuroscience, 43(8), 992-996. doi:10.1111/ejn.13215

287/14 – "Cryptochrome (CRY) and intention"
Investigadores/*Researchers*: Yung-Jong Shiah, Hsu-Liang Hsieh, Dean Radin
Instituição/*Institution*: Graduate Institute of Counseling Psychology and Rehabilitation Counseling of the National Kaohsiung Normal University, Kaohsiung (Taiwan); Photobiology Lab, Taipei (Taiwan)
Duração/*Duration*: 2015/09 – 2017/06

Peer-reviewed publications

Shiah, Y.-J., Hsieh, H.-L., Chen, H.-J., & Radin, D. (2020). Effects of intentionally treated water and seeds on the growth of Arabidopsis thaliana. *Explore: The Journal of Science & Healing*. doi:10.1016/j.explore.2020.04.006

Shiah, Y.-J., Hsieh, H.-L., Chen, H.-J., & Radin, I. D. (2017). Effects of intentionally treated water on growth of Arabidopsis Thaliana seeds with cryptochrome mutation. *EXPLORE: The Journal of Science & Healing, 13*(6), 371-378. doi:10.1016/j.explore.2017.05.001

299/14 – "Neurofeedback-based adaptive audiovisual tutorial for enhancing multi-modal learning"
Investigadores/*Researchers*: Rainer Wilhelm Goebel, Gal Raz, Talma Hendler
Instituição/*Institution*: Maastricht Brain Imaging Centre, Maastricht University (The Netherlands); The Medical Research Infrastructure and health services fund at the Tel Aviv Medical center (Israel)
Duração/*Duration*: 2015/12 – 2023/05

Peer-reviewed publications

Raz, G., Valente, G., Svanera, M., Benini, S., & Kovacs, A. M. (2019). A robust neural fingerprint of cinematic shot-scale. *Projections - The Journal for Movies and Mind, 13*(3), 23-52. doi:10.3167/proj.2019.130303

Raz, G., Svanera, M., Singer, N., Gilam, G., Cohen, M. B., Lin, T., …, Valente, G. (2017). Robust inter-subject audiovisual decoding in functional magnetic resonance imaging using high-dimensional regression. *NeuroImage, 163*, 244-263. doi:10.1016/j.neuroimage.2017.09.032

304/14 – "The impact of music training on reading and mathematical abilities of normal and reading disabled children: a behavioral and neuroimaging longitudinal study"
Investigadores/*Researchers*: Maria de São Luís Vasconcelos da Fonseca e Castro Schöner, Christian Gaser, Daniela da Costa Coimbra, Marta Sofia Pinto Martins
Instituição/*Institution*: Faculty of Psychology and Educational Sciences at University of Porto, FPCEUP / Centre for Psychology at University of Porto (Portugal); Structural Brain Mapping Group/ Department of Psychiatry - Jena University Hospital (Germany)
Duração/*Duration*: 2015/10 – 2019/09

Peer-reviewed publications

Martins, M., Reis, A. M., Gaser, C., & Castro, S. L. (2023). Individual differences in rhythm perception modulate music-related motor learning: a neurobehavioral training study with children. *Scientific Reports, 13*(1), 21552. doi:10.1038/s41598-023-48132-2

Sousa, J., Martins, M., Torres, N., Castro, S. L., & Silva, S. (2022). Rhythm but not melody processing helps reading via phonological awareness and phonological memory. *Scientific Reports, 12*(1), 13224. doi:10.1038/s41598-022-15596-7

Martins, M., Reis, A. M., Castro, S. L., & Gaser, C. (2021). Gray matter correlates of reading fluency deficits: SES matters, IQ does not. *Brain Structure and Function, 226*, 2585-2601. doi:10.1007/s00429-021-02353-1

Correia, A. I., Branco, P., Martins, M., Reis, A. M., Martins, N., Castro, S. L., & Lima, C. F. (2019). Resting-state connectivity reveals a role for sensorimotor systems in vocal emotional processing in children. *NeuroImage, 201*: 116052. doi:10.1016/j.neuroimage.2019.116052

Martins, M., Silva, S., & Castro, S. L. (2019). Perceiving rhythmic repetition and change across development: Effects of concurrent pitch. *Empirical Studies of the Arts.* doi:10.1177/0276237418822895

Cordeiro, C., Castro, S. L., & Limpo, T. (2018). Examining potential sources of gender differences in writing: The role of handwriting fluency and self-efficacy beliefs. *Written Communication, 35*(4), 448–473. doi:10.1177/0741088318788843

Martins, M., Neves, L., Rodrigues, P., Vasconcelos, O., & Castro, S. L. (2018). Orff-based music training enhances children's manual dexterity and bimanual coordination. *Frontiers in Psychology, 9*, 2616. doi:10.3389/fpsyg.2018.02616

Castro, S. L., & Martins, M. (2015). Rhythm perception in children: The roles of age, sex and prematurity. *Proceedings of the 17th European Conference on Developmental Psychology* (pp. 151-156). Bologna, Italy: Medimond Publishing Company.

308/14 – "A study of heterogeneity in parapsychological databases"
Investigador/*Researcher*: Peter Amalric Bancel
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA); Institut Métapsychique International, Paris (France)
Duração/*Duration*: 2015/06 – 2018/05

Peer-reviewed publications

Bancel, P. A. (2017). Searching for global consciousness: A 17-year Exploration. *EXPLORE: The Journal of Science and Healing, 13*(2), 94-101.

318/14 – "Neural correlates of tracking changing positions of objects"
Investigadores/*Researchers*: Christina Jayne Howard, Matthew K Belmonte
Instituição/*Institution*: Division of Psychology, Nottingham Trent University (UK)
Duração/*Duration*: 2015/02 – 2017/07

Peer-reviewed publications

Howard, C., Boulton, H., Briwn, E., Arnold, C., Belmonte, M., & Mitra, S. (2018). Engagement of the motor system in position monitoring: reduced distractor suppression and effects of internal representation quality on motor kinematics. *Experimental Brain Research, 236*: 1445-1460. doi:10.1007/s00221-018-5234-2

Howard, C. J., Arnold, C. P., & Belmonte, M. K. (2017). Slower resting alpha frequency is associated with superior localisation of moving targets. *Brain and Cognition, 117*, 97-107. doi:10.1016/j.bandc.2017.06.008

339/14 – "Neural mechanisms of social cognition in zebrafish"
Investigador/*Researcher*: Ana Rita Silva Martins Nunes
Instituição/*Institution*: Instituto Gulbenkian de Ciencia, Oeiras (Portugal)
Duração/*Duration*: 2015/05 – 2019/11

Peer-reviewed publications

Nunes, A. R., Carreira, L., Anbalagan, S., Blechman, J., Levkowitz, G., & Oliveira, R. F. (2020). Perceptual mechanisms of social affiliation in zebrafish. *Scientific Reports, 10*, 3642. doi:10.1038/s41598-020-60154-8

340/14 – "A question of belief: An analysis of item content in paranormal belief questionnaires"
Investigadores/*Researchers*: Lance Storm, Ken Drinkwater, Anthony Jinks
Instituição/*Institution*: Brain and Cognition Centre, School of Psychology, University of Adelaide (Australia); Department of Psychology, Faculty of Health, Psychology and Social Care, Manchester (UK)
Duração/Duration: 2015/04 – 2016/10

Peer-reviewed publications

Drinkwater, K., Storm, L., & Jinks, A. L. (2018). Differences in gambling approaches between informed paranormal believers and quasi-believers: A pilot study. *Australian Journal of Parapsychology, 18*(2), 153-183.

Storm, L., Drinkwater, K., & Jinks, A. L. (2017). A question of belief: An analysis of item content in paranormal belief questionnaires. *Journal of Scientific Exploration, 31*(2), 187-230.

343/14 – "Proteotoxic insults and synaptic dysfunction in the aging brain"
Investigadores/*Researchers*: Cláudio Emanuel Moreira Gomes, Andreas Martin Grabrucker, Joana Margarida Lopes da Silva Cristóvão, Javier Fernandez, Rodrigo David, Mariana Romão, Simone Hagmeyer
Instituição/*Institution*: FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências (Portugal); Neurocenter of Ulm University (Germany)
Duração/*Duration*: 2015/06 – 2019/01

Peer-reviewed publications

Cristóvão, J. S., Moreira, G., Rodrigues, F. E., Carapeto, A. P., Rodrigues, M. S., Cardoso, I., Ferreira, A., Machuqueiro, M., Fritzf, G., & Gomes, C. M. (2021). Cu2+-binding to S100B triggers polymerization of disulfide cross-linked tetramers with enhanced chaperone activity against amyloid-ß aggregation. *Chemical Communications, 57*(3), 379-382 . doi:10.1039/d0cc06842j

Cristóvão, J. S., Romão, M. A., Gallardo, R., Schymkowitz, J., Rousseau, F., & Gomes, C. M. (2021). Targeting S100B with peptides encoding intrinsic aggregation-prone sequence segments. *Molecules, 26*(2):440. doi:10.3390/molecules26020440

Daini, E., Hagmeyer, S., De Benedictis, C. A., Cristóvão, J. S., Bodria, M., Ross, A. M., Raab, A., Boeckers, T. M., Feldmann, J., Gomes, C. M., Zoli, M., Vilella, A., & Grabrucker, A. M. (2021). S100B dysregulation during brain development affects synaptic SHANK protein networks via alteration of zinc homeostasis. *Translational Psychiatry, 11*(1), 562. doi:10.1038/s41398-021-01694-z

Moreira, G. G., Cantrelle, F. X., Quezada, A., Carvalho, F. S., Cristóvão, J. S., Sengupta, U., Puangmalai, N., Carapeto, A. P., Rodrigues, M. S., Cardoso, I., Fritz, G., Herrera, F., Kayed, R., Landrieu, I., & Gomes, C. M. (2021). Dynamic interactions and Ca2+-binding modulate the

holdase-type chaperone activity of S100B preventing tau aggregation and seeding. *Nature Communications, 12*(1), 6292. doi:10.1038/s41467-021-26584-2

Cristóvão, J. S., Figueira, A. J., Rodrigues, M. S., Cardoso, I., & Gomes, C. M. (2020). The S100B alarmin is a dual-function chaperone suppressing Aß oligomerization through combined zinc chelation and inhibition of protein aggregation. *ACS Chemical Neuroscience*. doi:10.1021/acschemneuro.0c00392

Cristóvão, J., Moreira, G. G., Grabrucker, A. M., & Gomes, C. M. (2020). Chapter 9 - Metals and amyloid gain-of-toxic mechanisms in neurodegenerative diseases. In A. L. Pey (Ed.), *Protein Homeostasis Diseases - Mechanisms and Novel Therapies* (pp. 181-195). London, UK: Academic Press. doi:10.1016/B978-0-12-819132-3.00009-9

Cristóvão, J. S., & Gomes, C. M. (2019). S100 Proteins in Alzheimer's Disease. *Frontiers in Neuroscience, 13*: 463. doi:10.3389/fnins.2019.00463

Cristóvão, J. S., Henriques, B. J., & Gomes, C. M. (2019). Biophysical and spectroscopic methods for monitoring protein misfolding and amyloid aggregation. In C. Gomes (Eds.), *Protein Misfolding Diseases. Methods in Molecular Biology* (Vol. 1873, pp. 3-18). New York, NY: Humana Press. doi:10.1007/978-1-4939-8820-4_1

Hagmeyer, S., Romão, M. A., Cristóvão, J. S., Vilella, A., Zoli, M., Gomes, C. M., & Grabrucker, A. M. (2019). Distribution and relative abundance of S100 proteins in the brain of the APP23 Alzheimer's disease model mice. *Frontiers in Neuroscience, 13*: 640. doi:10.3389/fnins.2019.00640

Cristóvão, J. S., Morris, V. K., Cardoso, I., Leal, S., Martínez, J., Botelho, H. M., Göbl, C., David, R., Kierdorf, K., Alemi, M., Madl, T., Fritz, G., Reif, B., & Gomes, C. M. (2018). The neuronal S100B protein is a calcium-tuned suppressor of amyloid-B aggregation. *Science Advances, 4*(6), eaaq1702. doi:10.1126/sciadv.aaq1702

Martínez, J., Cristóvão, J. S., Sánchez, R., Gasset, M., & Gomes C.M. (2018). Preparation of amyloidogenic aggregates from EF-hand ß-parvalbumin and S100 proteins. In E. Sigurdsson, M. Calero, & M. Gasset (Eds), *Amyloid Proteins. Methods in Molecular Biology* (Vol 1779, pp 167-179). New York, NY: Humana Press. doi:10.1007/978-1-4939-7816-8_11

Hagmeyer, S., Cristóvão, J. S., Mulvihill, J. E., Boeckers, T., Gomes, C., & Grabrucker, A. (2018). Zinc Binding to S100B Affords Regulation of Trace Metal Homeostasis and Excitotoxicity in the Brain. *Frontiers in Molecular Neuroscience, 10*: 456. 10.3389/fnmol.2017.00456

Matos, A. M., Cristóvão, J. S., Yashunsky, D. V., Nifantiev, N. E., Viana, A. S., Gomes, C. M., Rauter, A. P. (2017). Synthesis and effects of flavonoid structure variation on amyloid-ß aggregation. *Pure and Applied Chemistry, 89*(9). doi:10.1515/pac-2017-0201

Cristóvão, J. S., Santos, R., & Gomes, C. M. (2016). Metals and neuronal metal binding proteins implicated in Alzheimer's Disease. *Oxidative Medicine and Cellular Longevity*, Article ID 9812178. doi:10.1155/2016/9812178

344/14 – "An integrative approach to the neural basis of hypnotic suggestibility"
Investigador/*Researcher*: Devin Blair Terhune
Instituição/*Institution*: Goldsmiths, University of London (UK)
Duração/*Duration*: 2015/04 – 2017/09

Peer-reviewed publications

Acunzo, D. J., & Terhune, D. B. (2021). A critical review of standardized measures of hypnotic suggestibility. *International Journal of Clinical and Experimental Hypnosis, 69*(1), 50-71. doi:10.1080/00207144.2021.1833209

Terhune, D. B. & Cardeña, E. (2018). Nuances and uncertainties regarding hypnotic inductions: Towards a theoretically informed praxis. In V. K. Kumar & S. R. Lankton (Eds.), *Hypnotic induction: Perspectives, strategies and concerns*. New York, NY: Taylor & Francis/Routledge.

Jensen, M. P., Jamieson, G., Bányai, É., Demertzi, A., De Pascalis, V., Mazzoni, G., Lutz, A., McGeown, W. J., Rominger, C., Santarcangelo, E. L., Vuilleumier, P., Faymonville, M.-E., & Terhune, D. B. (2017). New directions in hypnosis research: Strategies for advancing the cognitive and clinical neuroscience of hypnosis. *Neuroscience of Consciousness, 3*(1), 1-14. Doi:10.1093/nc/nix004

Terhune, D. B., Cleeremans, A., Raz, A., & Lynn, S. J. (2017). Hypnosis and top-down regulation of consciousness. *Neuroscience and Biobehavioral Reviews, 81*(Part A), 59-74. doi:10.1016/j.neubiorev.2017.02.002

Terhune, D. B. & Cardeña, E. (2016). Nuances and uncertainties regarding hypnotic inductions: Towards a theoretically informed praxis. *American Journal of Clinical Hypnosis, 59*(2), 155-174. Doi:10.1080/00029157.2016.1201454

Terhune, D. B., Polito, V., Barnier, A. J., & Woody, E. Z. (2016). Variations in the sense of agency during hypnotic responding: Insights from latent profile analysis. *Psychology of Consciousness: Theory, Research, and Practice, 3*(4), 293-302. doi:10.1037/cns0000107

Yin, B., Smythies, J., Terhune, D. B., & Meck, W. H. (2016). Claustrum, consciousness, and time perception. *Current Opinion in Behavioral Sciences, 8*, 258-267. Doi:10.1016/j.cobeha.2016.02.032

Terhune, D. B. & Cardeña, E. (2015). Dissociative subtypes in posttraumatic stress disorders and hypnosis: Neurocognitive parallels and clinical implications. *Current Directions in Psychological Science, 24*(6), 452-457. doi:10.1177/0963721415604611

348/14 – "Neural basis of mother-child relationship processes: Neural events, theta dynamics, and oxytocin"

Investigadores/*Researchers*: Michael J. Crowley, Omri Weisman, Richard M. Pasco Fearon, William Moran, Yael Shmueli-Goetz, Lauren Vazquez

Instituição/*Institution*: Child Study Center, School of Medicine, Yale University, New Haven (USA)

Duração/*Duration*: 2015/10 – 2021/09

Peer-reviewed publications

South, M., Taylor, K. M., Newton, T., Christensen, M., Jamison, N. K., Chamberlain, P., Johnston, O., Crowley, M. J., & Higley, J. D. (2017). Psychophysiological and behavioral responses to a novel intruder threat task for children on the autism spectrum. *Journal of Autism and Developmental Disorders, 47*(12), 3704-3713. doi:10.1007/s10803-017-3195-0

Baddam, S., Laws, H., Crawford, J. L., Wu, J., Bolling, D., Mayes, L., & Crowley, M. (2016). What they bring: baseline psychological distress differentially predicts neural response in social exclusion by children's friends and strangers in best friend dyads. *Social Cognitive and Affective Neuroscience,11*(11),1729-1740. doi:doi:10.1093/scan/nsw083

355/14 – "Cognitive and personality differences in supernatural belief"

Investigadores/*Researchers*: Ian Scott Baker, David Sheffield, Malcolm Schofield, Paul Staples

Instituição/*Institution*: College of Life and Natural Sciences, University of Derby (UK)

Duração/duration: 2015/06 – 2017/09

Peer-reviewed publications

Schofield, M., Baker, I. S., Staples, P. A., & Sheffield, D. (2020). Modelling supernatural belief: Cognition and personality. *Journal of the Society for Psychical Research, 84*(3), 129-156.

Schofield, M. B., Baker, I. S., Staples, P., & Sheffield, D. (2018). The creation and validation of the Belief in the Supernatural Scale. *Journal of Parapsychology, 82*(1), 41-64.

366/14 – "Changes in subjective time as indication of increased mindfulness after meditation"

Investigadores/*Researchers*: Marc Christoph Wittmann

Instituição/*Institution*: Institute for Frontier Areas of Psychology and Mental Health, Freiburg (Germany); Department of Psychosomatic Medicine, University Medical Center Freiburg (Germany)

Duração/*Duration*: 2015/04 – 2019/06

Peer-reviewed publications

Pfeifer, E., Fiedler, H., & Wittmann, M. (2020) Increased relaxation and present orientation after a period of silence in a natural surrounding. *Nordic Journal of Music Therapy, 29*(1), 75-92. doi:10.1080/08098131.2019.1642374

Pfeifer, E., & Wittmann, M. (2020). Waiting, thinking, and feeling: Variations in the perception of time during silence. *Frontiers in psychology, 11*: 602. doi:10.3389/fpsyg.2020.00602

Linares Gutierrez, D., Kübel, S., Giersch, A., Schmidt, S., Meissner, K., & Wittmann, M. (2019). Meditation-induced states, vagal tone, and breathing activity are related to changes in auditory temporal integration. *Behavorial Sciences, 9*(5):51. doi:10.3390/bs9050051

Linares Gutiérrez, D., Pfeifer, E., Schmidt, S., & Wittmann, M. (2019). Meditation experience and mindfulness are associated with reduced self-reported mind-wandering in

meditators — A German version of the daydreaming frequency scale. *Psych, 1*(1), 193–206. doi:10.3390/psych1010014

Pfeifer, E., Fiedler, H., & Wittmann, M. (2019). Enhanced relaxation in students after combined Depth Relaxation Music Therapy and silence in a natural setting. *Arts in Psychotherapy, 63*, 68-76. doi:10.1016/j.aip.2019.02.006

Berkovich-Ohana, A., & Wittmann, M. (2017). A typology of altered states according to the consciousness state space (CSS) model: A special reference to subjective time. *Journal of Consciousness Studies, 24*, 37-61.

372/14 – "Development and implementation of a comprehensive survey of secular American mediums"
Investigadores/*Researchers*: Julie Beischel, Chad Mosher, Mark Boccuzzi
Instituição/*Institution*: The Windbridge Institute for Applied Research in Human Potential, Tucson (USA)
Duração/*Duration*: 2015/07 – 2018/06

Peer-reviewed publications

Beischel, J., Tassone, S., & Boccuzzi, M. (2019). Hematological and psychophysiological correlates of anomalous information reception in mediums: A preliminary exploration. *EXPLORE: The Journal of Science & Healing, 15*(2), 126-133. doi:10.1016/j.explore.2018.04.009

Beischel, J., Mosher, C., & Boccuzzi, M. (2017). Quantitative and qualitative analyses of mediumistic and psychic experiences. *Threshold: Journal of Interdisciplinary Consciousness Studies, 1*(2), 51–91.

373/14 – "Multimodal mapping of visual motion perceptual decision: Dissecting the role of different motion integration areas in visual surface reconstruction"
Investigadores/*Researchers*: Miguel de Sá e Sousa de Castelo Branco, Gabriel Nascimento Ferreira da Costa, Gilberto Silva, João Valente Duarte, Ricardo Martins
Instituição/*Institution*: ICNAS - Institute for Nuclear Sciences Applied to Health, Coimbra (Portugal); IBILI - Institute for Biomedical Imaging and Life Sciences, Coimbra (Portugal)
Duração/*Duration*: 2016/02 – 2017/10

Peer-reviewed publications

Cayolla, R., Biscaia, R., Baumeister, R. F., Chan, H.-Y., Duarte, I. C., & Castelo-Branco, M. (2024). Neural correlates of fanhood: The role of fan identity and team brand strength. *Frontiers in Human Neuroscience, 17*, 1235139. doi:10.3389/fnhum.2023.1235139

Sousa, T., Duarte, J., Costa, G. N., Kemper, V. G., Martins, R., Goebel, R., & Castelo-Branco, M. (2019). Tracking perceptual decision mechanisms through changes in interhemispheric functional connectivity in human visual cortex. *Scientific Reports, 9*, Article number: 1242. doi:10.1038/s41598-018-37822-x

Castelhano, J., Duarte, I. C., Ferreira, C., Durães, J., Madeira, H., & Castelo-Branco, M. (2019). The role of the insula in intuitive expert bug detection in computer code: an fMRI study. *Brain Imaging and Behavior, 13*(3), 623-637. doi:10.1007/s11682-018-9885-1

Castelhano, J., Tavares, P., Mouga, S., Oliveira, G., & Castelo-Branco, M. (2018). Stimulus dependent neural oscillatory patterns show reliable statistical identification of Autism Spectrum Disorder in a face perceptual decision task. *Clinical Neurophysiology, 129*(5), 981-989. doi:10.1016/j.clinph.2018.01.072

Duarte, I. C., Brito-Costa, S., Cayolla, R., & Castelo-Branco, M. (2018). The role of prefrontal cortex in a battle of the sexes dilemma involving a conflict between tribal and romantic love. *Scientific Reports, 8*: 12133.

Castelhano, J., Duarte, I. C., Abuhaiba, S. I., Rito, M., Sales, F., & Castelo-Branco, M. (2017). Cortical functional topography of high-frequency gamma activity relates to perceptual decision: an Intracranial study. *PLoS ONE, 12*(10): e0186428. doi:10.1371/journal.pone.0186428

Costa, G. N., Duarte, J. V., Martins, R., Wibral, M., & Castelo-Branco, M. (2017). Interhemispheric binding of ambiguous visual motion is associated with changes in beta oscillatory activity but not with gamma range synchrony. *Journal of Cognitive Neuroscience, 29*(11), 1829-1844. doi:10.1162/jocn_a_01158

Duarte, I. C., Afonso, S., Jorge, H., Cayolla, R., Ferreira, C., & Castelo-Branco, M. (2017). Tribal love: the neural correlates of passionate engagement in football fans. *Social Cognitive and Affective Neuroscience, 12*(5), 718-728. doi:10.1093/scan/nsx003

Duarte, J. V., Costa, G. N., Martins, R., & Castelo-Branco, M. (2017). Pivotal role of hMT+ in long-range disambiguation of interhemispheric bistable surface motion. *Human Brain Mapping, 38*, 4882-4897. doi:10.1002/hbm.23701

Sousa, T., Amaral, C., Andrade, J., Pires, G., Nunes, U., & Castelo-Branco, M. (2017). Pure visual imagery as a potential approach to achieve three classes of control for implementation of BCI in non-motor disorders. *Journal of Neural Engineering, 14*(4):046026. doi:10.1088/1741-2552/aa70ac

Intaite, M., Duarte, J., & Castelo-Branco, M. (2016). Working memory load influences perceptual ambiguity by competing for fronto-parietal attentional resources. *Brain Research, 1650*, 142-151. doi:10.1016/j.brainres.2016.08.044

376/14 – "Lateralisation of cognitive functions in the brain: Typical vs. atypical patterns"
Investigador/*Researcher*: Deborah J Serrien
Instituição/*Institution*: School of Psychology, University of Nottingham (UK)
Duração/*Duration*: 2015/10 – 2018/11

Peer-reviewed publications

Serrien, D. J., & O'Regan, L. (2023). Attention and Interhemispheric Communication: Implications for Language Dominance. *Neuroscience, 510*, 21-31. doi:10.1016/j.neuroscience.2022.12.006

Serrien, D.J., O'Regan, L. (2022). The interactive functional biases of manual, language and attention systems. *Cognitive Research: Principles and Implications, 7*, 20. doi:10.1186/s41235-022-00365-x

Serrien, D. J., & Spapé, M. M. (2021). Space, time and number: common coding mechanisms and interactions between domains. *Psychological Research*. doi:10.1007/s00426-021-01503-8

Serrien, D. J., & O'Regan, L. (2019) Stability and flexibility in cognitive control: Interindividual dynamics and task context processing. *PLoS ONE, 14*(7): e0219397. doi:10.1371/journal.pone.0219397

O'Regan, L., & Serrien, D. J. (2018). Individual differences and hemispheric asymmetries for language and spatial attention. *Frontiers in Human Neuroscience, 12*, 380. doi:10.3389/fnhum.2018.00380

O'Regan, L., Spapé, M., & Serrien, D. (2017). Motor timing and covariation with time perception: Investigating the role of handedness. *Frontiers in Behavioral Neuroscience, 11*: 147. doi:10.3389/fnbeh.2017.00147

380/14 – "Using neural stimulation to modulate paranormal beliefs"
Investigadores/*Researchers*: Miguel Farias, Ute Kreplin
Instituição/*Institution*: Centre for Research in Psychology, Behaviour and Achievement, Coventry University (UK)
Duração/*Duration*: 2015/12 – 2017/10

Peer-reviewed publications

van Mulukom, V., Baimel, A., Maraldi, E., & Farias, M. (2024). Examining the relationship between metacognitive trust in thinking styles and supernatural beliefs. *Scandinavian Journal of Psychology, 65*(2), 206–222. doi:10.1111/sjop.12961

Farias, M., van Mulukom, V., Kahane, G., Kreplin, U., Joyce, A., ..., Möttönen, R. (2017). Supernatural belief is not modulated by intuitive thinking style or cognitive inhibition. *Scientific Reports, 7*, Article number: 15100. doi:10.1038/s41598-017-14090-9

385/14 – "Effects of neurofeedback on functional connectivity and EEG power density"
Investigadores/*Researchers*: Pedro Jose Montoya Jimenez, Beatriz Rey Solaz, Inmaculada Riquelme, Miguel Angel Munoz Garcia, Niels Birbaumer
Instituição/*Institution*: Research Institute on Health Sciences, University of Balearic Islands, Palma (Spain)
Duração/*Duration*: 2015/03 – 2019/06

Peer-reviewed publications

Terrasa, J. L., Alba, G., Cifre. I., Rey, B., Montoya, P., & Muñoz, M. (2019). Power spectral density and functional connectivity changes due to a sensorimotor neurofeedback training: A preliminary study. *Neural Plasticity*, Article ID 7647204. doi:10.1155/2019/7647204

Terrasa, J. L., Montoya, P., González-Roldán, A. M., & Sitges, C. (2018). Inhibitory control impairment on somatosensory gating due to aging: An event-related potential study. *Frontiers in Human Neuroscience, 12*: 280. doi:10.3389/fnhum.2018.00280

Riquelme, I., Hatem, S. M., & Montoy, P. (2016). Abnormal pressure pain, touch sensitivity, proprioception, and manual dexterity in children with autism spectrum disorders. *Neural Plasticity*, 1723401. doi 10.1155/2016/1723401

386/14 – "Remote meditation support - A multimodal distant intention experiment"
Investigadores/*Researchers*: Stefan Schmidt, Han-gue Jo, Marc Wittmann, Thilo Hinterberger, Wolfgang Ambach
Instituição/*Institution*: Department of Psychosomatic Medicine, University Medical Center Freiburg (Germany); Institut für Grenzgebiete der Psychologie und Psychohygiene, Freiburg (Germany)
Duração/Duration: 2015/05 – 2019/01

Peer-reviewed publications

Linares Gutiérrez, D., Pfeifer, E., Schmidt, S., & Wittmann, M. (2019). Meditation experience and mindfulness are associated with reduced self-reported mind-wandering in meditators — A German version of the daydreaming frequency scale. *Psych, 1*(1), 193–206. doi:10.3390/psych1010014

Schmidt, S., Jo, H. -G., Wittmann, M., Ambach, W., & Kübel , S. (2019). Remote meditation support – A multimodal distant intention experiment. *Explore: The Journal of Science & Healing*. doi:10.1016/j.explore.2018.12.002

388/14 – "Are free will and moral responsibility real or illusory? On the causal role of consciousness in decision-making, a combined EEG and intracranial study"
Investigador/*Researcher*: Uri M. Maoz
Instituição/*Institution*: California Institute of Technology – Caltech, Pasadena (USA)
Duração/*Duration*: 2016/02 – 2019/06

Peer-reviewed publications

Hill, B. L., Brown, R., Gabel, E., Rakocz, N., Lee, C., Cannesson, M., Baldi, P., Olde Loohuis, L., Johnson, R., Jew, B., Maoz, U., Mahajan, A., Sankararaman, S., Hofer, I., & Halperin, E. (2019). An automated machine learning-based model predicts postoperative mortality using readily-extractable preoperative electronic health record data. *British Journal of Anaesthesia, 123*(6), 877–886. doi:10.1016/j.bja.2019.07.030

Maoz, U., Sita, K. R., van Boxtel, J. J. A., & Mudrik, L. (2019). Does it matter whether you or your brain did it? An empirical investigation of the influence of the double subject fallacy on moral responsibility judgments. *Frontiers in Psychology, 10*, 950. doi:10.3389/fpsyg.2019.00950

Maoz, U., Yaffe, G., Koch, C., & Mudrik, L. (2019). Neural precursors of decisions that matter—an ERP study of deliberate and arbitrary choice. *eLife, 8*: e39787. doi:10.7554/eLife.39787

Oh, J., Yun, K., Maoz, U., Kim, T. S., & Chae, J. H. (2019). Identifying depression in the National Health and Nutrition Examination Survey data using a deep learning algorithm. *Journal of Affective Disorders, 257*, 623-631. doi:10.1016/j.jad.2019.06.034

389/14 – "Demixing and visualizing neural population activity in higher cortical areas"
Investigadores/*Researchers*: Dmitry Kobak, Christian Machens
Instituição/*Institution*: Champalimaud Centre for the Unknown, Lisboa (Portugal)
Duração/*Duration*: 2015/01 – 2017/02

Peer-reviewed publications

Kobak, D., Pardo-Vazquez, J. L., Valente, M., Machens, C. K., & Renart, A. (2019). State-dependent geometry of population activity in rat auditory cortex. *eLife, 8*: e44526. doi:10.7554/eLife.44526

Kobak, D., Brendel, W., Constantinidis, C., Feierstein, C. E., Kepecs, A., Mainen, Z. F., Qi, X.-L., Romo, R., Uchida, N., & Machens, C. K. (2016). Demixed principal component analysis of neural population data. *eLife, 5,* e10989. doi:10.7554/eLife.10989.001

Tian, J., Huang, R., Cohen, J. Y., Osakada, F., Kobak, D., Machens, C. K., Callaway, E. M., Uchida, N., & Watabe-Uchida, M. (2016) Distributed and mixed information in monosynaptic inputs to dopamine neurons. *Neuron, 91*(6), 1374-1389. doi:10.1016/j.neuron.2016.08.018

400/14 – "Is the matrix-experiment really a robust and artifact free experimental model to demonstrate generalized entanglement effects?"
Investigador/*Researcher*: Harald Walach
Instituição/*Institution*: Institute of Transcultural Health Studies, European University Viadrina, Frankfurt Oder (Germany)
Duração/*Duration*: 2016/01 – 2021/03

Peer-reviewed publications

Walach, H., Kirmse, K. A., Sedlmeier, P., Vogt, H., Hinterberger, T., & von Lucadou, W. (2022). Nailing Jelly: The Replication Problem Seems to Be Unsurmountable. Two Failed Replications of the Matrix Experiment. *Journal of Scientific Exploration, 35*(4), 788-828. doi:10.31275/20212031

402/14 – "Skin Conductance Feedback Meditation (SCFM) – Exploring the role of skin conductance in meditative practice"
Investigador/*Researcher*: Thilo Hinterberger
Instituição/*Institution*: Department of Psychosomatic Medicine, Clinic of the University of Regensburg (Germany)
Duração/*Duration*: 2016/03 – 2018/06

Peer-reviewed publications

Hinterberger, T., Baierlein, F., & Breitenbach, N. (2018). Skin conductance feedback meditation: Evaluation of a novel physiology-assisted meditation style. *Complementary Medicine Research, 25*(5), 313-320. doi:10.1159/000489342

Hinterberger, T., & Fürnrohr, E. (2016). The sensorium: Psychophysiological evaluation of responses to a multimodal neurofeedback environment. *Applied Psychophysiology and Biofeedback, 41*, 315–329. doi:10.1007/s10484-016-9332-2

413/14 – "The role of dopamine in behavioral exploration and action selection"
Investigador/*Researcher*: Aaron Christopher Koralek
Instituição/*Institution*: Champalimaud Neuroscience Programme, Lisboa (Portugal)
Duração/*Duration*: 2015/03 – 2018/06

Peer-reviewed publications

Koralek, A. C., & Costa, R. M. (2021). Dichotomous dopaminergic and noradrenergic neural states mediate distinct aspects of exploitative behavioral states. *Science Advances, 7*(30): eabh2059. doi:10.1126/sciadv.abh2059

Neely, R., Koralek, A., Athalye, V. R., Costa, R. M., & Carmena, J. M. (2018). Volitional modulation of primary visual cortex activity requires the basal ganglia. *Neuron*, 97(6),1356–1368.e4. doi:10.1016/j.neuron.2018.01.051

427/14 – "Gliogenesis control of brain neuroplasticity, neurophysiology and cognitive function"
Investigadores/*Researchers*: Luísa Alexandra Meireles Pinto, Ana Rita Machado dos Santos, António Maria Restolho Mateus Pinheiro, Joana Sofia da Silva Correia, João Filipe Pedreira de Oliveira, João Miguel Bessa Peixoto, Nuno Dinis Alves, Vítor Manuel da Silva Pinto
Instituição/*Institution*: Life and Health Sciences Research Institute - ICVS/3B's - Government Associate Laboratory, Universidade do Minho, Braga (Portugal); Center for Neuroscience and Cell Biology, University of Coimbra (Portugal)
Duração/*Duration*: 2015/09 – 2019/10

Peer-reviewed publications

Antunes, C., da Silva, J., Guerra-Gomes, S., Alves, N., Loureiro-Campos, E., Pinto, L. & Marques, J. (2022). Tet3 deletion in adult brain neurons of female mice results in anxiety-like behavior and cognitive impairments. *Molecular Neurobiology, 59*(8), 4892-4901. doi:10.1007/s12035-022-02883-7

Lima, S., Sousa, N., Patrício, P. & Pinto, L. (2022). The underestimated sex: A review on female animal models of depression. *Neuroscience and Biobehavioral Reviews, 133.* doi:10.1016/j.neubiorev.2021.12.021

Machado-Santos, A. R., Loureiro-Campos, E., Patrício, P., Araújo, B., Alves, N., Mateus-Pinheiro, A., Correia, J., Morais, M., Bessa, J., Sousa, N., Rodrigues, A., Oliveira, J., & Pinto, L. (2022). Beyond new neurons in the adult hippocampus: Imipramine acts as a pro-astrogliogenic factor and rescues cognitive impairments induced by stress exposure. *Cells, 11*(3), 390-. doi:10.3390/cells11030390

Loureiro-Campos, E., Mateus-Pinheiro, A., Patrício, P., Soares-Cunha, C., Silva, J., Sardinha, V. M., Mendes-Pinheiro, B., Silveira-Rosa, T., Domingues, A. V., Rodrigues, A. J., Oliveira, J., Sousa, N., Alves, N. D., & Pinto, L. (2021). Constitutive deficiency of the neurogenic hippocampal modulator AP2γ promotes anxiety-like behavior and cumulative memory deficits in mice from juvenile to adult periods. *eLife, 10*: e70685. doi:10.7554/eLife.70685

Loureiro-Campos, E., Pinto, L., & Mendanha Falcão, A. (2021). CSF circulation regulates depression: do not disturb the flow!. *Molecular Psychiatry, 26*(2), 7072-7073. doi:10.1038/s41380-021-01323-7

Martins-Macedo, J., Salgado, A. J., Gomes, E. D., & Pinto, L. (2021). Adult brain cytogenesis in the context of mood disorders: From neurogenesis to the emergent role of gliogenesis. *Neuroscience and Biobehavioral Reviews, 131*, 411-428. doi:10.1016/j.neubiorev.2021.09.030

Mateus-Pinheiro, A., Patrício, P., Alves, N. D., Martins-Macedo, J., Caetano, I., Silveira-Rosa, T., Araújo, B., Mateus-Pinheiro, M., Silva-Correia, J., Sardinha, V. M., Loureiro-Campos, E., Rodrigues, A. J., Oliveira, J. F., Bessa, J. M., Sousa, N., & Pinto, L. (2021) . Hippocampal cytogenesis abrogation impairs inter-regional communication between the hippocampus and prefrontal cortex and promotes the time-dependent manifestation of emotional and cognitive deficits. *Molecular Psychiatry*. doi:10.1038/s41380-021-01287-8

Silveira-Rosa, T., Mateus-Pinheiro, A., Correia, J. S., Silva, J. M., Martins-Macedo, J., Araújo, B., Machado-Santos, A. R., Alves, N. D., Silva, M., Loureiro-Campos, E., Sotiropoulos, I., Bessa, J. M., Rodrigues, A. J., Sousa, N., Patrício, P., & Pinto, L. (2021). Suppression of adult cytogenesis in the rat brain leads to sex-differentiated disruption of the HPA axis activity. *Cell proliferation*, 55(2), e13165. doi:10.1111/cpr.13165

Antunes, C., Da Silva, J. D., Guerra-Gomes, S., Alves, N. D., Ferreira, F., Loureiro-Campos, E., ..., Marques, C. J. (2020). Tet3 ablation in adult brain neurons increases anxiety-like behavior and regulates cognitive function in mice. *Molecular Psychiatry*. doi:10.1038/s41380-020-0695-7

Guerra-Gomes, S., Cunha-Garcia, D., Marques Nascimento, D. S., Duarte-Silva, S., Loureiro-Campos, E., Morais Sardinha, V., ... Oliveira, J. F. (2020). IP3R2 null mice display a normal acquisition of somatic and neurological development milestones. *European Journal of Neuroscience*. doi:10.1111/ejn.14724

Martins-Macedo, J., Lepore, A. C., Domingues, H. S., Salgado, A. J., Gomes, E. D., & Pinto, L. (2020). Glial restricted precursor cells in central nervous system disorders: Current applications and future perspectives. *Glia*. doi:10.1002/glia.23922

Antunes, C., Sousa, N., Pinto, L., & Marques, C. J. (2019). TET enzymes in neurophysiology and brain function. *Neuroscience & Biobehavioral Reviews, 102*, 337-344. doi:10.1016/j.neubiorev.2019.05.006

Mateus-Pinheiro, A., Alves, N. D., Sousa, N., & Pinto, L. (2018). AP2?: A new player on adult hippocampal neurogenesis regulation. *Journal of Experimental Neuroscience, 12*: 1-4. doi:10.1177/1179069518766897

Guerra-Gomes, S., Sousa, N., Pinto, L., & Oliveira, J. F. (2018). Functional roles of astrocyte calcium elevations: From synapses to behavior. *Frontiers in Cellular Neuroscience, 11*: 427. doi:10.3389/fncel.2017.00427

Guerra-Gomes, S., Viana, J. F., Correia, J. S., Caetano, I., Sardinha, V. M., Sousa, N., Pinto, L., & Oliveira, J. F. (2018). The role of astrocytic calcium signaling in the aged prefrontal cortex. *Frontiers in Cellular Neuroscience, 12*: 379. doi:10.3389/fncel.2018.00379

Mateus-Pinheiro, A., Alves, N. D., Patricio, P., Machado-Santos, A. R., Campos, E., Silva, J., Sardinha, V., Reis, J., Schorle, H., Oliveira, J. F., Ninkovic, J., Sousa, N., & Pinto, L. (2017). AP2γ controls adult hippocampal neurogenesis and modulates cognitive, but not anxiety or depressive-like behavior. *Molecular Psychiatry, 22*(12), 1725-1734. doi:10.1038/mp.2016.169

Morais, M., Patrício, P., Mateus-Pinheiro, A., Alves, N. D., Machado-Santos, A. R., Correia, J. S., Pereira, J., Pinto, L., Sousa, N., & Bessa, J. M. (2017). The modulation of adult neuroplasticity is involved in the mood-improving actions of atypical antipsychotics in an animal model of depression. *Translational Psychiatry, 7*(6), e1146. doi:10.1038/tp.2017.120

Sardinha, V. M., Guerra-Gomes, S., Caetano, I., Tavares, G., Martins, M., Reis, J. S., Correia, J. S., Teixeira-Castro, A., Pinto, L., Sousa, N., & Oliveira, J. F. (2017). Astrocytic signaling supports hippocampal-prefrontal theta synchronization and cognitive function. *Glia, 65*(12),1944-1960.

Oliveira, J. F., Gomes, C. A., Vaz, S. H., Sousa, N., & Pinto, L. (2016). Editorial: Glial Plasticity in Depression. *Frontiers in Cellular Neuroscience, 10*: 163. doi:10.3389/fncel.2016.00163

430/14 – "Psychophysiological detection of feigned memory complaints"
Investigadores/Researchers: Sara Cavaco, Filomena Maria Correia Gomes
Instituição/*Institution*: Centro Hospitalar do Porto - Hospital Santo António (Portugal); Faculdade de Medicina do Porto (Portugal)
Duração/Duration: 2016/05 – 2023/11

Peer-reviewed publications

Cavaco, S., Sousa, G., Gonçalves, A., Dias, A., Andrade, C., Pereira, D., Aires, E. A., Moura, J., Silva, L., Varela, R., Malheiro, S., Oliveira, V., Teixeira-Pinto, A., Maia, L. F., & Correia, M. (2023). Predictors of cognitive dysfunction one-year post COVID-19. *Neuropsychology, 37*(5), 557–567. doi:10.1037/neu0000876

442/14 – "Neurochemical substrates of neurofeedback"
Investigadores/*Researchers*: Tomas Ros, Nathalie Ginovart
Instituição/*Institution*: Interfacultary Center for Neuroscience, University of Geneva (Switzerland); Division of Nuclear Medicine, University Hospitals Geneva (Switzerland)
Duração/*Duration*: 2016/04 – 2020/09

Peer-reviewed publications

Ros, T., Kwiek, J., Andriot, T., Michela, A., Vuilleumier, P., Garibotto, V., & Ginovart, N. (2021). PET imaging of dopamine neurotransmission during EEG neurofeedback. *Fronties in Physiology, 11*: 590503. doi:10.3389/fphys.2020.590503

480/14 – "The role of experimenter and participant mindset in the replication of psi experiments: Phase II of a global initiative"
Investigador/*Researcher*: Marilyn Schlitz
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2015/07 – 2017/07

Peer-reviewed publications

Schlitz, M., Bem, D., Marcussion-Clavertz, D., Cardena, E., Lyke, J., Grover, R., ..., Delorme, A. (2021). Two replication studies of a time-reversed (Psi) priming task and the role of expectancy in reaction times. *Journal of Scientific Exploration, 35*(1), 65-90. doi:10.31275/20211903

Schlitz, M., & Delorme, A. (2021). Examining implicit beliefs in a replication attempt of a time-reversed priming task [version 2; peer review: 2 approved]. *F1000Research, 10*: 5. doi:10.12688/f1000research.27169.2

489/14 – "An examination of the effects of mood and emotion on a real-world computer system and networking environment"
Investigador/*Researcher*: John G. Kruth
Instituição/*Institution*: Rhine Research Center, Durham (USA)
Duração/*Duration*: 2015/05 – 2019/01

Peer-reviewed publications

Kruth, J. (2019). An exploration of the effects of mood and emotion on a real-world working computer system and network environment. *Journal of Parapsychology, 83*, 232-247. http://doi.org/10.30891/jopar.2019.02.08

495/14 – "Episodic memory enhancement in aging: the role of cognitive training combined with (bilateral) tDCS in the medial-temporal cortex and cerebellum on episodic memory performance in the elderly"
Investigadores/*Researchers*: Mário Manuel Rodrigues Simões, Filipe Fernandes, Jorge Evandro de Araújo Alves, Marcel Simis, Ana Rita Simões Martins, Jorge Almeida
Instituição/*Institution*: CINEICC - Centro de Investigação do Núcleo de Estudos e Intervenção Cognitivo-Comportamental/Universidade de Coimbra (Portugal)
Duração/*Duration*: 2015/07 – 2022/03

Peer-reviewed publications

Almeida, J., Martins, A. R., Amaral, L., Valério, D., Bukhari, Q., Schu, G., Nogueira, J., Spínola, M., Soleimani, G., Fernandes, F., Silva, A. R., Fregni, F., Simis, M., Simões, M., &

Peres, A. (2023). The cerebellum is causally involved in episodic memory under aging. *GeroScience, 45*(4), 2267–2287. doi:10.1007/s11357-023-00738-0

Nogueira, J., Freitas, S., Duro, D., Almeida, J., & Santana, I. (2018). Validation study of the Alzheimer's disease assessment scale–cognitive subscale (ADAS-Cog) for the Portuguese patients with mild cognitive impairment and Alzheimer's disease. *The Clinical Neuropsychologist, 32*(Supplement 1), 46-59. doi:10.1080/13854046.2018.1454511

Nogueira, J., Freitas, S., Duro, D., Tábuas-Pereira, M., Guerreiros, M., Almeida, J., & Santana, I. (2018). Alzheimer's Disease Assessment Scale - Cognitive subscale (ADAS-Cog): Normative data for the Portuguese population. *Acta Médica Portuguesa, 31*(2), 94-100. doi:10.20344/amp.8859

Almeida, J., Martins, A. R., Bergström, F., Amaral, L., Freixo, A., Ganho-Ávila, A., Kristensen, S., Lee, D., Nogueira, J., & Ruttorf, M. (2017). Polarity-specific transcranial direct current stimulation effects on object-selective neural responses in the inferior parietal lobe. *Cortex, 94*, 176-181. doi:10.1016/j.cortex.2017.07.001

Martins, A., Fregni, F., Simis, M., & Almeida, J. (2016). Neuromodulation as a cognitive enhancement strategy in healthy older adults: promises and pitfalls. *Aging, Neuropsychology, and Cognition*, *24*(2), 158-185. doi:10.1080/13825585.2016.1176986

506/14 – "The Selfield: Optimizing precognition research"
Investigadores/*Researchers*: Mario Varvoglis, Peter Bancel
Instituição/*Institution*: Institut Metapsychique International, Paris (France); Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2015/09 – 2018/07

Peer-reviewed publications

Varvoglis, M., Bancel. P. A., Bailly, J. -P., Boban, J., & Ahmed, D. (2019s). The Selfield: Optimizing precognition research. *Journal of Parapsycholoy, 83*(1), 13-24. doi:10.30891/jopar.20

534/14 – "Exploring unconscious knowledge: From pendulums to parapsychology"
Investigadores/*Researchers*: Jeremy Olson, Amir Raz, Mathieu Landry
Instituição/*Institution*: Raz Cognitive Neuroscience Lab, McGill University, Montreal (Canada); Montreal Neurological Institute (Canada)
Duração/*Duration*: 2015/08 – 2017/06

Peer-reviewed publications

Olson, J., Jeyanesan, E., & Raz, A. (2017). Ask the Pendulum: Personality predictors of ideomotor performance. *Neuroscience of Consciousness, 3*(1), 1-11. doi:10.1093/nc/nix014

Olson, J. A., Landry, M., Appourchaux, K., & Raz, A. (2016). Simulated thought insertion: Influencing the sense of agency using deception and magic. *Consciousness and Cognition, 43*, 11-26. doi:10.1016/j.concog.2016.04.010

536/14 – "Void consciousness: Investigating the neural network correlates of an exceptional meditative experience with EEG-MREG"
Investigadores/*Researchers*: Ulf Winter, Pierre LeVan, Stefan Schmidt
Instituição/*Institution*: Department of Psychosomatic Medicine, University Medical Center Freiburg (Germany); Dept. of Radiology, Medical Physics, University Medical Center Freiburg (Germany)
Duração/Duration: 2015/09 – 2020/03

Peer-reviewed publications

Winter, U., LeVan, P., Borghardt, T. L., Akin, B., Wittmann, M., Leyens, Y., & Schmidt, S. (2020). Content-free awareness: EEG-fcMRI correlates of consciousness as such in an expert meditator. *Frontiers in Psycholology, 10*: 3064. doi:10.3389/fpsyg.2019.03064

“The Aging Social Brain – Neural and behavioral age-related changes in social cognition and decision-making”
Investigador/*Researcher*: João Eduardo Marques Teixeira, Manuel Fernando Santos Barbosa, Fernando Ricardo Ferreira Santos, Pedro Manuel Rocha Almeida, Hugo Daniel Leão Sousa
Instituição/*Institution*: Faculdade de Psicologia e de Ciências da Educação, Universidade do Porto (Portugal)
Duração/*Duration*: 2014/11 – 2018/01

Peer-reviewed publications

Fernandes, C., Pasion, R., Gonçalves, A. R., Almeida, R., Garcez, H., Ferreira-Santos, F., Barbosa, F., & Marques-Teixeira, J. (2022). Awareness to utilitarian responses in later life: An ERP study with moral dilemmas. *Neuroscience Letters, 787*, 136824. doi:10.1016/j.neulet.2022.136824

Fernandes, C., Barbosa, F., Martins, I. P., & Marques-Teixeira, J. (2021). Aging and social cognition: A comprehensive review of the literature. *Psychology & Neuroscience, 14*(1), 1–15. doi:10.1037/pne0000251

Fernandes, C., Gonçalves, A. R., Pasion, R., Ferreira-Santos, F., Barbosa, F., Martins, I. P., & Marques-Teixeira, J. (2019). Age-related changes in social decision-making: An electrophysiological analysis of unfairness evaluation in the Ultimatum Game. *Neuroscience Letters, 692*, 122-126. doi:10.1016/j.neulet.2018.10.061

Fernandes, C., Gonçalves, A. R., Pasion, R., Ferreira-Santos, F., Barbosa, F., Martins, I. P., & Marques-Teixeira, J. (2019). Age-related decline in emotional perspective-taking: Its effect on the late positive potential. *Cognitive, Affective, & Behavioral Neuroscience, 19*(1), 109-122. doi:10.3758/s13415-018-00648-1

Fernandes, C., Gonçalves, A. R., Ferreira-Santos, F., Paiva, T. O., Melo e Castro, J., Barbosa, F., Martins, I. P., & Marques-Teixeira, J. (2018). European Portuguese adaptation and validation of dilemmas used to assess moral decision-making. *Trends in Psychiatry and Psychotherapy, 40*(1), 38-46. doi:10.1590/2237-6089-2017-0022

Fernandes, C., Pasion, R., Gonçalves, A., Ferreira-Santos, F., Barbosa, F., Martins, I. P., & Marques-Teixeira, J. (2018). Age differences in neural correlates of feedback processing after economic decisions under risk. *Neurobiology of Aging, 65*, 51-59. doi:10.1016/j.neurobiolaging.2018.01.003

Gonçalves, A. R., Fernandes, C., Pasion, R., Ferreira-Santos, F., Barbosa, F., & Marques-Teixeira, J. (2018). Effects of age on the identification of emotions in facial expressions: a meta-analysis. *PeerJ, 6*, e5278. doi:10.7717/peerj.5278

Gonçalves, A. R., Fernandes, C., Pasion, R., Ferreira-Santos, F., Barbosa, F., & Marques-Teixeira, J. (2018). Emotion identification and aging: behavioral and neural age-related changes. *Clinical Neurophysiology, 129*(5), 1020-1029. doi:10.1016/j.clinph.2018.02.128

Pasion, R., Fernandes, C., Gonçalves, A. R., Ferreira-Santos, F., Barbosa, F., Martins, I. P., & Marques-Teixeira, J. (2018). The effect of aging on the (mis)perception of intentionality - an ERP study. *Social Neuroscience*. doi:10.1080/17470919.2018.1430614.

Fernandes, C. (2017). Age-related changes in frontal, striatal, and medial temporal activity during expected value evaluation. *Journal of Neuroscience, 37*(13), 3442-3444. doi:10.1523/JNEUROSCI.0033-17.2017

Pasion, R., Gonçalves, A., Fernandes, C., Ferreira-Santos, F., Barbosa, F., & Marques-Teixeira, J. (2017). Meta-analytic evidence for a reversal learning effect on the Iowa gambling task in older adults. *Frontiers in Psychology, 8*: 1785. doi:10.3389/fpsyg.2017.01785

“Aware Mind-Brain: bridging insights on the mechanisms and neural substrates of human awareness and meditation”
Investigadores/*Researchers*: Antonino Raffone, Salvatore Maria Aglioti, Henk P. Barendregt, Fabio M. Giommi, Juliana Jordanova, Peter Malinowski, Stephen Whitmarsh
Instituição/*Institution*: ECONA - Interuniversity Center for Cognitive Processing in Natural and Artificial Systems, Università degli Studi di Roma “La Sapienza” (Italy)
Duração/*Duration*: 2015/08 – 2019/02

Peer-reviewed publications

Dominguez, E., Casagrande, M. & Raffone, A. (2022) Autobiographical memory and mindfulness: A critical review with a systematic search. *Mindfulness, 13*(7), 1614-1651. doi:10.1007/s12671-022-01902-x

Nicolardi, V., Simione, L., Scaringi, D., Malinowski, P., Yordanova, J., Kolev, V., Mauro, F., Giommi, F., Barendregt, H. P., Aglioti, S. M., & Raffone, A. (2022). The two arrows of pain:

Mechanisms of pain related to meditation and mental states of aversion and identification. *Mindfulness*. Advance online publication. doi:10.1007/s12671-021-01797-0

Guidotti, R., Del Gratta, C., Perrucci, M. G., Romani, G. L., & Raffone, A. (2021). Neuroplasticity within and between functional brain networks in mental training based on long-term meditation. *Brain Sciences, 11*(8), 1086. doi:10.3390/brainsci11081086

Simione, L., Raffone, A., & Mirolli, M. (2021). Acceptance, and not its interaction with attention monitoring, increases psychological well-being: Testing the monitor and acceptance theory of mindfulness. *Mindfulness, 12*(6), 1398-1411. doi:10.1007/s12671-021-01607-7

Yordanova, J., Kolev, V., Nicolardi, V., Simione, L., Mauro, F., Garberi, P., Raffone, A., & Malinowski, P. (2021). Attentional and cognitive monitoring brain networks in long-term meditators depend on meditation states and expertise. *Scientific Reports, 11*: 4909. doi:10.1038/s41598-021-84325-3

Chiarella, S. G., Makwana, M., Simione, L., Hartkamp, M., Calabrese, L., Raffone, A., & Srinivasan, N. (2020). Mindfulness meditation weakens attachment to self: Evidence from a self vs other binding task. *Mindfulness, 11*, 2411-2422. doi:10.1007/s12671-020-01457-9

Yordanova, J., Kolev, V., Mauro, F., Nicolardi, V., Simione, L., Calabrese, L., Malinowski, P., & Raffone, A. (2020). Common and distinct lateralised patterns of neural coupling during focused attention, open monitoring and loving kindness meditation. *Scientific Reports, 10*, 7430. doi:10.1038/s41598-020-64324-6

Giannandrea, A., Simione, L., Pescatori, B., Ferrell, K., Belardinelli, M. O., Hickman, S. D., & Raffone, A. (2019). Effects of the mindfulness-based stress reduction program on mind wandering and dispositional mindfulness facets. *Mindfulness, 10*(1), 185-195. doi:10.1007/s12671-018-1070-5

Raffone, A., Marzetti, L., Del Gratta, C., Perrucci, M. G., Romani, G. L., & Pizzella, V. (2019). Toward a brain theory of meditation. *Progress in Brain Research, 244*, 207-232. doi:10.1016/bs.pbr.2018.10.028

Simione, L., Raffone, A., & Mirolli, M. (2019). Stress as the missing link between mindfulness, Sleep quality, and well-being: A cross-sectional study. *Mindfulness, 11, 439-451*. doi:10.1007/s12671-019-01255-y

Raffone, A., & Srinivasan, N. (2017). Mindfulness and cognitive functions: Toward a unifying neurocognitive framework. *Mindfulness, 8*, 1. doi:10.1007/s12671-016-0654-1

Simione, L., Akyürek, E. G., Vastola, V., Raffone, A., & Bowman, H. (2017). Illusions of integration are subjectively impenetrable: Phenomenological experience of Lag 1 percepts during dual target RSVP. *Consciousness and Cognition, 51*, 181-192. doi:10.1016/j.concog.2017.03.004

Simione, L., Di Pace , E., Chiarella , S. G., & Raffone, A. (2019). Visual attention modulates phenomenal consciousness: Evidence from a change detection study. *Frontiers in Psychology, 10*, 2150. doi:10.3389/fpsyg.2019.02150

Publicações revistas por pares – Apoios à Investigação Científica 2016/17
Peer-reviewed publications – Grant for Scientific Research 2016/17

27/16 – "How do brains encode the distinctive movements of facial expressions?"
Investigador/*Researcher*: Nicholas Furl
Instituição/*Institution*: Department of Psychology, Royal Holloway, University of London, Egham (UK)
Duração/*Duration*: 2017/06 – 2020/07

Peer-reviewed publications

Furl, N., Begum, F., Ferrarese, F. P., Jans, S. & Woolley, C. (2022). Caricatured facial movements enhance perception of emotional facial expressions. *Perception, 51*, 5, 313-343. doi:10.1177/03010066221086452

Furl, N., Begum, F., Sulik, J., Ferrarese, F. P., Jans, S., & Woolley, C. (2020). Face space representations of movement. *NeuroImage, 212*: 116676. doi:10.1016/j.neuroimage.2020.116676

30/16 – "Exploring the neural basis of motivation"
Investigadores/*Researchers*: Ana João Rodrigues, Nivaldo Vasconcelos, Carina Cunha, Bárbara Coimbra, Laura Silva, Patrícia Monteiro, Sónia Borges, Pedro Morgado
Instituição/*Institution*: Life and Health Sciences Research Institute - ICVS, School of Health Sciences, University of Minho, Braga (Portugal)
Duração/*Duration*: 2017/01 – 2020/03

Peer-reviewed publications

Correia, R., Coimbra, B., Domingues, A. V., Wezik, M., Vieitas-Gaspar, N., Gaspar, R., Sousa, N., Pinto, L., Rodrigues, A. J., & Soares-Cunha, C. (2023). Involvement of nucleus accumbens D2-medium spiny neurons projecting to the ventral pallidum in anxiety-like behaviour. *Journal of Psychiatry & Neuroscience, 48*(4), E267–E284. doi:10.1503/jpn.220111

Domingues, A. V., Coimbra, B., Correia, R., Deseyve, C., Vieitas-Gaspar, N., Floresco, S., Sousa, N., Soares-Cunha, C., & Rodrigues, A. J. (2022). Prenatal dexamethasone exposure alters effort decision making and triggers nucleus accumbens and anterior cingulate cortex functional changes in male rates. *Translational Psychiatry, 12*, 338. doi:10.1038/s41398-022-02043-4

Caetano, I., Ferreira, S., Coelho, A., Amorim, L., Castanho, T. C., Portugal-Nunes, C., Soares, J. M., Gonçalves, N., Sousa, R., Reis, J., Lima, C., Marques, P., Moreira, P. S., Rodrigues, A. J., Santos, N. C., Morgado, P., Magalhães, R., Picó-Pérez, M., Cabral, J., & Sousa, N. (2022). Perceived stress modulates the activity between the amygdala and the cortex. *Molecular Psychiatry, 27*(12), 4939-4947. doi:10.1038/s41380-022-01780-8

Gaspar, R., Soares-Cunha, C., Domingues, A. V., Coimbra, B., Baptista, F. I., Pinto, L., Ambrósio, A. F., Rodrigues, A. J. & Gomes, C. A. (2022). The duration of stress determines sex specificities in the vulnerability to depression and in the morphologic remodeling of neurons and microglia. *Frontiers in Behavioral Neuroscience, 16*, 834821. doi:10.3389/fnbeh.2022.834821

Soares-Cunha, C., Domingues, A. V., Correia, R., Coimbra, B., Vieitas-Gaspar, N., Vasconcelos, N., Pinto, L., Sousa, N. & Rodrigues, A. J. (2022). Distintic role of nucleus accumbens D2-MSN projections to ventral pallidum in different phases of motivated behavior. *Cell Reports, 38,* 7 doi:10.1016/j.celrep.2022.110380

Coimbra, B., Domingues, A. V., Soares-Cunha, C., Correia, R., Pinto, L., Sousa, N., & Rodrigues, A. J. (2021). Laterodorsal tegmentum-ventral tegmental area projections encode positive reinforcement signals. *Journal of Neuroscience Research*. doi:10.1002/jnr.24931

Gaspar, R., Soares-Cunha, C., Domingues, A. V., Coimbra, B., Baptista, F. I., Pinto. L., Ambrósio, A. F., Rodrigues, A. J., & Gomes, C. A. (2021). Resilience to stress and sex-specific remodeling of microglia and neuronal morphology in a rat model of anxiety and anhedonia. *Neurobiology of Stress, 14*, 100302. doi:10.1016/j.ynstr.2021.100302

Lotfi, N., Fontenele, A. J., Feliciano, T., Aguiar, L. A. A., de Vasconcelos, N. A. P., Soares-Cunha, C., ..., Carelli, P. V. (2020). Signatures of brain criticality unveiled by maximum entropy analysis across cortical states. *Physical Review, 102*(1): 012408. doi:10.1103/PhysRevE.102.012408

Coimbra, B., Soares-Cunha, C., Vasconcelos, N. A. P., Domingues, A. V., Borges, S., Sousa, N., & Rodrigues, A. J. (2019). Role of laterodorsal tegmentum projections to nucleus accumbens in reward-related behaviors. *Nature Communications, 10*: 4138. doi:doi:10.1038/s41467-019-11557-3

Fontenele, A. J., Vasconcelos, N., Feliciano, T., Aguiar, L. A. A., Soares-Cunha, C., Coimbra, B., Dalla Porta, L., Ribeiro, S., Rodrigues, A. J., Sousa, N., Carelli, P. V., & Copelli, M. (2019). Criticality between cortical states. *Physical Review Letters, 122*(20): 208101. doi:10.1103/PhysRevLett.122.208101

Soares-Cunha, C., Vasconcelos, N., Coimbra, B., Domingues, A. V., Silva, J. M., Loureiro-Campos, E., ... Rodrigues, A. J. (2020). Nucleus accumbens medium spiny neurons subtypes signal both reward and aversion. *Molecular Psychiatry, 25*(12), 3241-3255. doi:10.1038/s41380-019-0484-3

Soares-Cunha, C., Coimbra, B., Borges, S., Domingues, A. V., Silva, D., Sousa, N., & Rodrigues, A. J. (2018). Mild prenatal stress causes emotional and brain structural modifications in rats of both sexes. *Frontiers in Behavioral Neuroscience, 12*, 129. doi:10.3389/fnbeh.2018.00129

Soares-Cunha, C., Coimbra, B., Domingues, A. V., Vasconcelos, N., Sousa, N., & Rodrigues, A. J. (2018). Nucleus accumbens microcircuit underlying D2-MSN-driven increase in motivation. *eNeuro, 5*(2), e0386-18. doi:10.1523/ENEURO.0386-18.2018

Coimbra, B., Soares-Cunha, C., Borges, S., Vasconcelos, N. A., Sousa, N., & Rodrigues, A. J. (2017). Impairments in laterodorsal tegmentum to VTA projections underlie glucocorticoid-triggered reward deficits. *eLife, 6*: e25843. doi:10.7554/eLife.25843

32/16 – "Neural mechanisms of dream recall: Electrophysiological differences between young and older adults"

Investigadores/*Researchers*: Serena Scarpelli, Luigi De Gennaro, Anastasia Mangiaruga, Chiara Bartolacci

Instituição/*Institution*: Department of Psychology, University of Rome "La Sapienza" (Italy)

Duração/*Duration*: 2017/04 – 2019/09

Peer-reviewed publications

Scarpelli, S., D'Atri, A., Bartolacci, C., Gorgoni, M., Mangiaruga, A., Ferrara, M., & De Gennaro, L. (2020). Dream recall upon awakening from non-rapid eye movement sleep in older adults: Electrophysiological pattern and qualitative features. *Brain Sciences, 10*, 343. doi:10.3390/brainsci10060343

D'Atri, A., Scarpelli, S., Schiappa, C., Pizza, F., Vandi, S., Ferrara, M., Cipolli, C., Plazzi, G., & De Gennaro, L. (2019). Cortical activation during sleep predicts dream experience in narcolepsy. *Annals of Clinical and Translational Neurology, 6*(3), 445-455. doi:10.1002/acn3.718

Scarpelli, S., Bartolacci, C., D'Atri, A., Gorgoni, M., & De Gennaro, L. (2019). The functional role of dreaming in emotional processes. *Frontiers in Psychology, 10*: 459. doi:10.3389/fpsyg.2019.00459

Scarpelli, S., D'Atri, A., Bartolacci, C., Mangiaruga, A., Gorgoni, M., & De Gennaro, L. (2019). Oscillatory EEG activity during REM sleep in elderly people predicts subsequent dream recall after awakening. *Frontiers in Neurology*. doi:10.3389/fneur.2019.00985

Scarpelli, S., Gorgoni, M., D'Atri, A., Ferrara, M., & De Gennaro, L. (2019). Structural and functional differences in brain mechanisms of dream recall. In H. Dringenberg (Eds.), *Handbook of Sleep Research* (Vol. 30, pp. 269-281). Academic Press.

Mangiaruga, A., Scarpeli, S., Bartolacci, C., & De Gennaro, L. (2018). Spotlight on dream recall: the ages of dreams. *Nature and Science of Sleep, 10*:1-12.

39/16 – "Considering voice hearing by psychic practitioners: A qualitative pluralistic investigation of mental health and well-being"
Investigador/*Researcher*: Craig Murray
Instituição/*Institution*: Division of Health Research, Lancaster University (UK)
Duração/*Duration*: 2017/05 – 2020/06

Peer-reviewed publications

Murray, C. D., & Wilde, D. J. (2020). Thinking about, doing and writing up research using interpretative phenomenological analysis. In Walshe, C., & Brierley, S. (Eds.), *Handbook of Theory and Methods in Applied Health Research* (pp. 140-166). Edward Elgar: Cheltenham, UK. doi:10.4337/9781785363214.00015

Valavanis, S., Thompson, C., & Murray, C. D. (2019). Positive aspects of voice-hearing: a qualitative metasynthesis. *Mental Health, Religion and Culture, 22*(2), 208-225. doi:10.1080/13674676.2019.1601171

Wilde, D.J., Murray, J., Doherty, P., & Murray, C.D. (2019). Mental health and mediumship: an interpretative phenomenological analysis. *Mental Health, Religion & Culture, 22*(3), 261-278, doi:10.1080/13674676.2019.1606186

44/16 – "Inducing and measuring plasticity in response control mechanisms in the human brain"
Investigadores/*Researchers*: Alejandra Sel de Felipe, Matthew Rushworth
Instituição/*Institution*: Department of Experimental Psychology, University of Oxford (UK)
Duração/*Duration*: 2017/10 – 2021/09

Peer-reviewed publications

Trajkovic, J., Romei, V., Rushworth, M. F. S., & Sel, A. (2023). Changing connectivity between premotor and motor cortex changes inter-areal communication in the human brain. *Progress in Neurobiology, 228*, 102487. doi:10.1016/j.pneurobio.2023.102487

Sel, A., Verhagen, L., Angerer, K., David, R., Klein-Flügge, M. C., & Rushworth, M. (2021). Increasing and decreasing interregional brain coupling increases and decreases oscillatory activity in the human brain. *Proceedings of the National Academy of Sciences, 118*(37), e2100652118. doi:10.1073/pnas.2100652118

Sel, A., Calvo-Merino, B., Tsakiris, M., & Forster, B. (2020). The somatotopy of observed emotions. *Cortex, 129*, 11-22. doi:10.1016/j.cortex.2020.04.002

Gentsch, A., Sel, A., Marshall, A. C., Schütz-Bosbach, S. (2019). Affective interoceptive inference: Evidence from heart-beat evoked brain potentials. *Human Brain Mapping, 40*(1), 20-33. doi:10.1002/hbm.24352

51/16 – "Cognitive plasticity: Modulation and monitoring through a neurophysiological approach"
Investigadores/*Researchers:* Carlo Miniussi, Romina Esposito
Instituição/*Institution*: Centre for Mind/Brain Sciences - CIMeC, University of Trento, Rovereto (Italy)
Duração/*Duration*: 2017/03 – 2020/03

Peer-reviewed publications

Grasso, P. A., Tonolli, E., Bortoletto, M., & Miniussi, C. (2020). tDCS over posterior parietal cortex increases cortical excitability but decreases learning: an ERPs and TMS-EEG study. *Brain Research*. doi:10.1016/j.brainres.2020.147227

Grasso, P. A., Tonolli, E., & Miniussi, C. (2020). Effects of different transcranial direct current stimulation protocols on visuo-spatial contextual learning formation: Evidence of homeostatic regulatory mechanisms. *Scientific Reports, 10*: 4622. doi:10.1038/s41598-020-61626-7

58/16 – "Psi, nonlocality and entangled photons"
Investigadores/*Researchers*: Dean Radin, Peter Bancel, Arnaud Delorme
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA); Institute Metapsychique Internationale, Paris (France)
Duração/*Duration*: 2019/09 – 2021/11

Peer-reviewed publications

Radin, D., Bancel, P., & Delorme, A. (2021). Psychophysical interactions with entangled photons: Five exploratory studies. *Journal of Anomalous Experience and Cognition, 1*(1-2)., 9-54. doi:10.31156/23392

62/16 – "Imagination and reactance in a psi task using the imagery cultivation model and a fuzzy set encoded target pool"
Investigador/*Researcher*: Lance Storm
Instituição/*Institution*: Brain and Cognition Research Centre, School of Psychology, University of Adelaide (Australia)
Duração/*Duration*: 2017/11 – 2019/04

Peer-reviewed publications

Storm, L., & Goretzki, M. (2020). Spiritual emergency and psi: Testing the psychic opening hypothesis. *Journal of Transpersonal Psychology, 52*(1), 142-162.

Storm, L. (2019). Imagination and reactance in a psi task using the imagery cultivation model and a fuzzy set encoded target pool. *Journal of Scientific Exploration, 33*(2), 193-208. doi:10.31275/2019.1374

66/16 – "Mindfulness meditation shapes synchronization of brain networks for effective perceptual decision making"
Investigador/*Researcher*: Laura Marzetti
Instituição/*Institution*: Department of Neurosciences, Imaging and Clinical Sciences, University "G. D'Annunzio" of Chieti - Pescara (Italy)
Duração/*Duration*: 2017/09 – 2019/09

Peer-reviewed publications

D'Andrea, A., Basti, A., Tosoni, A., Guidotti, R., Chella, F., Michelmann, S., Romani, G. L., Pizzella, V., & Marzetti, L. (2022). Magnetoencephalographic spectral fingerprints differentiate evidence accumulation from saccadic motor preparation in perceptual decision-making. *iScience, 25*(10), 105246. doi:10.1016/j.isci.2022.105246

Basti, A., Chella, F., Snyder, A. Z., Pizzella, V., & Marzetti, L. (2019). Spatiotemporal structures of time lags in the brain as revealed by magnetoencephalography. *IEEE International Conference on Systems, Man and Cybernetics (SMC)*, 2762-2766. doi:10.1109/SMC.2019.8914571

Croce, P., Zappasodi, F., Marzetti, L., Merla, A., Pizzella, V., & Chiarelli, A. M. (2019). Deep convolutional neural networks for feature-less automatic classification of independent components in multi-channel electrophysiological brain recordings. *IEEE Transactions on Biomedical Engineering, 66*(8), 2372-2380. doi:10.1109/TBME.2018.2889512

D'Andrea, A., Chella, F., Marshall, T. R., Pizzella, V., Romani, G. L., Jensen, O., & Marzetti, L. (2019). Alpha and alpha-beta phase synchronization mediate the recruitment of the visuospatial attention network through the Superior Longitudinal Fasciculus. *Neuroimage, 188*, 722-732. doi:10.1016/j.neuroimage.2018.12.056

Raffone, A., Marzetti, L., Del Gratta, C., Perrucci, M. G., Romani, G. L., & Pizzella, V. (2019). Toward a brain theory of meditation. *Progress in Brain Research, 244*, 207-232. doi:10.1016/bs.pbr.2018.10.028

69/16 – Induced near-death-experiences in healthy volunteers: Phenomenology, psychophysiology and after effects"
Investigadores/*Researchers*: Mário Simões, Sofia Machado Ferreira, Ana Paula Farinha
Instituição/*Institution*: Laboratory of Mind-Matter Interaction with Therapeutic Intention - LIMMIT, Faculdade de Medicina da Universidade de Lisboa (Portugal); Hospital de Santa Maria, Lisboa (Portugal)
Duração/*Duration*: 2018/05 – 2020/11

Peer-reviewed publications

Machado, S., Simões, M., & Franco, L. (2022). Hypnotically induced near-death-like experiences: An exploratory study of phenomenological similarities. *Journal of Near-Death Studies, 40*(1), 47-68. doi:10.17514/JNDS-2022-40-1-p47-68

70/16 – "Understanding atypical metacognition and time perception in high hypnotic suggestibility"
Investigador/*Researcher*: Devin Terhune
Instituição/*Institution*: Department of Psychology, Goldsmiths, University of London (UK)
Duração/*Duration*: 2017/11 – 2022/04

Peer-reviewed publications

Millman, L. S. M., Hunter, E. C. M., David, A. S., Orgs, G., & Terhune, D. B. (2022). Assessing responsiveness to direct verbal suggestions in depersonalization-derealization disorder. doi:10.1101/2022.01.21.22269634

Terhune, D., & Oakley, D. (2020). Hypnosis and Imagination. In A. Abraham (Ed.), *The Cambridge Handbook of the Imagination* (Cambridge Handbooks in Psychology, pp. 711-727). Cambridge: Cambridge University Press. doi:10.1017/9781108580298.043

Wieder, L., & Terhune, D. B. (2019) Trauma and anxious attachment influence the relationship between suggestibility and dissociation: a moderated-moderation analysis. *Cognitive Neuropsychiatry, 24*:3, 191-207. doi:10.1080/13546805.2019.1606705

Lemercier, C. E., & Terhune, D. B. (2018). Psychedelics and hypnosis: Commonalities and therapeutic implications. *Journal of Psychopharmacology, 32*(7), 732-740. doi:10.1177/0269881118780714

72/16 – "A physiological examination of full-trance channeling"
Investigadores/*Researchers*: Helané Wahbeh, Arnaud Delorme
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2017/09 – 2019/03

Peer-reviewed publications

Wahbeh, H., Cannard, C., Kriegsman, M., & Delorme, A. (2023). Evaluating brain spectral and connectivity differences between silent mind-wandering and trance states. *Progress in Brain Research, 277*, 29-61. doi:10.1016/bs.pbr.2022.12.011

Anastasia, J., Delorme, A., Okonsky, J., Wahbeh, H. (2020). A qualitative exploratory analysis of channeled content. *Explore: The Journal of Science and Healing, 16*(4), 231-236. doi:10.1016/j.explore.2020.02.008

Wahbeh, H., & Butzer, B. (2020). Characteristics of English-Speaking Trance Channelers. *Explore: The Journal of Science and Healing*. doi:10.1016/j.explore.2020.02.002

Wahbeh, H., Cannard, C., Okonsky, J., & Delorme, A. (2019). A physiological examination of perceived incorporation during trance [version 2; referees: 2 approved]. *F1000Research, 8*: 67. doi 10.12688/f1000research.17157.2

75/16 – "The painful awareness of death: Influence of thoughts of death on behavioural and cerebral activity associated with painful nociceptive stimuli"
Investigador/*Researcher*: Elia Valentini
Instituição/*Institution*: Department of Psychology, Faculty of Science and Health, University of Essex, Colchester (UK)
Duração/*Duration*: 2017/10 – 2022/09

Peer-reviewed publications

Gyimes, I. L., & Valentini, E. (2023). Reminders of Mortality: Investigating the effects of different mortality saliences on somatosensory neural activity. *Brain Sciences, 13*(7), 1077. doi:10.3390/brainsci13071077

Valentini, E., & Gyimes, I. L. (2019). Visual cues of threat elicit greater steady-state electroencephalographic responses than visual reminders of death. *Biological Psychology, 139*, 73-86. doi:10.1016/j.biopsycho.2018.10.004

76/16 – "Unleashing the hidden powers of the mind through manipulating belief in cognitive enhancement devices"
Investigadores/*Researchers*: Michiel van Elk, Uffe Schjoedt, Marcel Brass
Instituição/*Institution*: Department of Psychology, University of Amsterdam (The Netherlands); School of Culture and Society - Department of the Study of Religion, University of Arhus (Denmark)
Duração/*Duration*: 2017/03 – 2022/10

Peer-reviewed publications

van Elk, M., Groenendijk, E., & Hoogeveen, S. (2020). Placebo brain stimulation affects subjective but not neurocognitive measures of error processing. *Journal of Cognitive Enhancement, 4*, 389-400. doi:10.1007/s41465-020-00172-6

van Elk, M. (2019). Socio-cognitive biases are associated to belief in neuromyths and cognitive enhancement: A pre-registered study. *Personality and Individual Differences, 147*, 28-32. doi:10.1016/j.paid.2019.04.014

Maij, D. L. R., & van Elk, M. (2018). Getting absorbed in experimentally induced extraordinary experiences: Effects of placebo brain stimulation on agency detection. *Consciousness and Cognition, 6*: 1-16. doi:10.1016/j.concog.2018.09.010

86/16 – "Does cortical excitability predict out of body experience and anomalous perception in the non-clinical population"
Investigador/*Researcher*: Elizabeth Milne
Instituição/*Institution*: Department of Psychology, University of Sheffield (UK)
Duração/*Duration*: 2017/09 – 2018/11

Peer-reviewed publications

Milne, E., Dunn, S., Zhao, C., & Jones, M. (2019). Altered neural dynamics in people who report spontaneous out of body experiences. *Cortex, 111*, 87-99. doi:10.1016/j.cortex.2018.10.019

88/16 – "The interoceptive self: Transcutaneous vagus nerve stimulation as a new tool to investigate heart-brain interactions"
Investigadores/Researchers: Ruben Azevedo, Emmanouil Tsakiris, Valerio Vallani
Instituição/Institution: Department of Psychology, Royal Holloway, University of London (UK)
Duração/Duration: 2017/10 – 2019/10

Peer-reviewed publications

Villani, V., Finotti, G., Di Lernia, D., Tsakiris, M. & Azevedo, R. T. (2022). Event-related transcutaneous vagus nerve stimulation modulates behaviour and pupillary responses during an auditory oddball task. *Psychoneuroendocrinology, 140*, 105719. doi:10.1016/j.psyneuen.2022.105719

Villani, V., Tsakiris, M., & Azevedo, R. T. (2019). Transcutaneous vagus nerve stimulation improves interoceptive accuracy. *Neuropsychologia, 134*, Article 107201. doi:10.1016/j.neuropsychologia.2019.107201

93/16 – "Synchonizing brain and heart through decelerated respiration − An EEG-ECG study investigating the effects of paced breathing"
Investigadores/*Researchers*: Thilo Hinterberger, Teele Tamm
Instituição/*Institution*: Research Section of Applied Consciousness Sciences, Department of Psychosomatic Medicine, University Medical Center Regensburg (Germany)
Duração/*Duration*: 2018/08 – 2020/06

Peer-reviewed publications

Hinterberger, T., Walter, N., Doliwa, C., & Loew, T. (2019). The brain's resonance with breathing – decelerated breathing synchronizes heart rate and slow cortical potentials. *Journal of Breath Research, 13*(4), 046003. doi:10.1088/1752-7163/ab20b2

95/16 – "Reward modulation of tactile stimulus processing"
Investigadores/*Researchers*: Miguel Pais-Vieira, Marlene Barros, Nuno Rosa, Nivaldo Vasconcelos, Carla Pais-Vieira
Instituição/*Institution*: Instituto de Ciências da Saúde, Universidade Católica Portuguesa, Porto (Portugal); Life and Health Sciences Research Institute - ICVS, School of Health Sciences, University of Minho, Braga (Portugal)
Duração/*Duration*: 2017/10 – 2023/05

Peer-reviewed publications

Pais-Vieira, C., Figueiredo, J. G., Perrotta, A., Matos, D., Aguiar, M., Ramos, J., Gato, M., Poleri, T., & Pais-Vieira, M. (2024). Activation of a Rhythmic Lower Limb Movement Pattern during the Use of a Multimodal Brain–Computer Interface: A Case Study of a Clinically Complete Spinal Cord Injury. *Life, 14*(3),396. doi:10.3390/life14030396

Pais-Vieira, C., Allahdad, M. K., Perrotta, A., Peres, A. S., Kunicki, C., Aguiar, M., Oliveira, M., & Pais-Vieira, M. (2023). Neurophysiological correlates of tactile width discrimination in humans. *Frontiers in Human Neuroscience, 17*, 1155102. doi:10.3389/fnhum.2023.1155102

Pais-Vieira, C., Gaspar, P., Matos, D., Alves, L., Cruz, B., Azevedo, M., Gago, M., Poleri, T., Perrotta, A. & Pais-Vieira, M. (2022). Embodiment comfort levels during motor imagery training combined with immersive virtual reality spinal cord injury patient. *Frontiers in Human Neuroscience*, 16. doi:10.3389/fnhum.2022.909112

Pais-Vieira, C., Allahdad, M., Neves-Amado, J., Perrotta, A., Morya, E., Moioli, R., Shapkova, E., & Pais-Vieira, M. (2020). Method for positioning and rehabilitation training with the ExoAtlet ® powered exoskeleton. *MethodsX, 7*, 100849. doi:10.1016/j.mex.2020.100849

Perrotta, A., Pais-Vieira, C., Allahdad, M. K., Bicho, E., & Pais-Vieira, M. (2020). Differential width discrimination task for active and passive tactile discrimination in humans. *MethodsX,* 100852. doi:10.1016/j.mex.2020.100852

Pais-Vieira, M., Kunicki, C., Peres, A., & Sousa, N., (2019). Ceftriaxone modulates the acute corticosterone effects in local field potentials in the primary somatosensory cortex of anesthetized mice. *Scientific Reports, 9*(1), 20289. doi:10.1038/s41598-019-56827-8

97/16 – "Reproductive hormonal status as a predictor of precognition"
Investigadores/*Resea*rchers: Julia Mossbridge, Daryl Bem
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA); Department of Psychology, Cornell University, Ithaca (USA)
Duração/*Duration*: 2017/02 – 2018/06

Peer-reviewed publications

Mossbridge, J. (2023). Precognition at the boundaries: An empirical review and theoretical discussion. *Journal of Anomalous Experience and Cognition, 3*(1), 5-41. doi:10.31156/jaex.24216

Mossbridge, J., & Radin, D. (2021). Psi performance as a function of demographic and personality factors in smartphone-based tests: Using a "SEARCH" approach. *Journal of Anomalous Experience and Cognition, 1(*1-2), 18-113. doi:10.31156/jaex.23419

Mossbridge, J. A., Nisam, M., & Crabtree, A. (2021). Can hypnotic suggestion induce feelings of unconditional love and supernormal performance? *Spirituality in Clinical Practice, 8*(1), 30–50. doi:10.1037/scp0000239

Mossbridge, J. (2019). Time and (Un)conscious processes predictive anticipatory activity and potential applications. *CEUR Workshop Proceedings, 2287*: 32.

Mossbridge, J., & Radin, D. (2018). Plausibility, statistical interpretations, physical mechanisms and a new outlook: Response to commentaries on a precognition review. *Psychology of Consciousness: Theory, Research, and Practice, 5*(1), 110-116. doi:10.1037/cns0000152

Mossbridge, J. & Radin, D. (2018). Precognition as a form of prospection: A review of the evidence. *Psychology of Consciousness: Theory, Research, and Practice, 5*(1), 78-93. doi:10.1037/cns0000121

100/16 – "Arousal effects on time perception and timed behavior"
Investigadores/*Researchers*: Ruth Ogden, Michael Richter, Francis McGlone
Instituição/*Institution*: School of Natural Sciences and Psychology, Liverpool John Moores University (UK)
Duração/*Duration*: 2017/09 – 2019/05

Peer-reviewed publications

Ogden, R. S., Henderson, J., McGlone, F., & Richter, M. (2019). Time distortion under threat: Sympathetic arousal predicts time distortion only in the context of negative, highly arousing stimuli. Psychological Research, *PLoS ONE 14*(5): e0216704. doi:10.1371/journal.pone.0216704

Ogden, R. S., Henderson, J., Slade, K., McGlone, F., & Richter, M. (2019). The effect of increased parasympathetic activity on perceived duration. *Consciousness and Cognition, 76*: 102829. doi:0.1016/j.concog.2019.102829

101/16 – "Implications of near-death experiences for the mind-brain relationship"
Investigadores/*Researchers*: Bruce Greyson, Surbhi Khanna, Lauren Moore, Lori Derr, Sue Ruddock
Instituição/*Institution*: Division of Perceptual Studies, Department of Psychiatry and Neurobehavioral Sciences, University of Virginia, Charlottesville (USA)
Duração/*Duration*: 2017/07 – 2018/11

Peer-reviewed publications

Khanna, S., Moore, L., & Greyson, B. (2018). Full neurological recovery from Escherichia coli Meningitis associated with near-death experience. *Journal of Nervous and Mental Disease, 206*(9), 744-747. doi:10.1097/NMD.0000000000000874

102/16 – "Using suggestion to influence attitudes and behavior"
Investigadores/*Researchers*: Jeremy Olson, Thomas Strandberg, Amir Raz, Petter Johansson
Instituição/*Institution*: Raz Cognitive Neuroscience Lab, McGill University & Montreal Neurological Institute (Canada); Choice Blindness Laboratory, Lund University Cognitive Science (Sweden)
Duração/*Duration*: 2018/01 – 2020/01

Peer-reviewed publications

Olson, J. A., Cyr, M., Artenie, D. Z., Strandberg, T., Hall, L., Tompkins, M. L., Raz, A., & Johansson, P. (2023). Emulating future neurotechnology using magic. *Consciousness and Cognition, 107*, 103450. doi:10.1016/j.concog.2022.103450

Olson, J. A., & Raz, A. (2021). Applying insights from magic to improve deception in research: The Swiss cheese model. *Journal of Experimental Social Psychology, 92*: 104053. doi:10.1016/j.jesp.2020.104053

Strandberg, T., Olson, J. A., Hall, L., Woods, A., & Johansson, P. (2020) Depolarizing american voters: Democrats and Republicans are equally susceptible to false attitude feedback. *PLoS ONE, 15*(2): e0226799. doi:10.1371/journal.pone.0226799

109/16 – "Mental imagery in the human brain: In space and time"
Investigador/*Researcher*: Leila Reddy
Instituição/*Institution*: Centre de Recherche Cerveau et Cognition - CerCo, Centre National de la Recherche Scientifique, Toulouse (France)
Duração/*Duration*: 2017/06 – 2021/01

Peer-reviewed publications

VanRullen, R., & Reddy, L. (2019). Reconstructing faces from fMRI patterns using deep generative neural networks. *Communications Biology, 2*: 193. doi:10.1038/s42003-019-0438-y

111/16 – "**A psychophysiological perspective of the transformative experience of pregnancy"**
Investigadores/*Researchers*: Helena Rutherford, Linda Mayes, Catherine Monk, Elizabeth Meins, Brianna Francis
Instituição/*Institution*: Child Study Center – CSC, Yale University School of Medicine, New Haven (USA)
Duração/*Duration*: 2017/03 – 2020/02

Peer-reviewed publications

Penner, F., Bunderson, M., Bartz, C., Brooker, R., & Rutherford, H. (2022). Emotion regulation strategies and perceived stress during pregnancy in expectant mothers and fathers. *Journal of Reproductive and Infant Psychology.* doi:10.1080/02646838.2022.2110224

Rutherford, H. J. V., Bunderson, M., Bartz, C., Haitsuka, H., Meins, E., Groh, A. M., & Milligan, K. (2021). Imagining the baby: Neural reactivity to infant distress and mind-mindedness in expectant parents. *Biological Psychology, 161*: 108057. doi:10.1016/j.biopsycho.2021.108057

Rutherford, H. J., Yip, S. W., Worhunsky, P., Zhang, R., Yip, S. W., Morie, K. P., ... Potenza, M. N. (2019). Gradient theories of brain activation: A novel application to studying the parental brain. *Current Behavioral Neuroscience Reports, 6*(3), 119.125. doi:10.1007/s40473-019-00182-5

O'Hair, C., Armstrong, K., & Rutherford, H. (2018). The potential utility for massage therapy during pregnancy to decrease stress and tobacco use. *Internation Journal of Therapeutic Massage & Bodywork, 11*(3), 15-19. PMC6087659

Rutherford, H., Crowley, M. J., Gao, L., Francis, B., Schultheis, A., & Mayes, L. (2018). Prenatal neural responses to infant faces predict postpartum reflective functioning. *Infant Behavior and Development, 53*, 43-48. doi:10.1016/j.infbeh.2018.09.003

Rutherford, H., Maupin, A., & Mayes, L. (2018). Parity and neural responses to social and non-social stimuli in pregnancy. *Social Neuroscience, 14*(5), 545-548. doi:10.1080/17470919.2018.1518833

114/16 – "Effects of a mindfulness-based intervention for teachers: A study on teacher and student outcomes"
Investigadores/*Researchers*: Alexandra Marques-Pinto, Ana Pinheiro, Patricia Jennings, Mark Greenberg
Instituição/*Institution*: Centro de Investigação em Ciência Psicológica- CICPSI, Faculdade de Psicologia da Universidade de Lisboa (Portugal)
Duração/*Duration*: 2017/01 – 2020/03

Peer-reviewed publications

de Carvalho, J. S., Oliveira, S., Roberto, M. S., Gonçalves, C., Bárbara, J. M., de Castro, A. F., ... Marques-Pinto, A. (2021). Effects of a mindfulness-based intervention for teachers: A study on teacher and student outcomes. *Mindfulness, 12, 1719-1732*. doi:10.1007/s12671-021-01635-3

117/16 – "**Replication in parapsychology: The correlation matrix method"**
Investigadores/*Researchers*: Caroline Watt, Ana Flores
Instituição/*Institution*: Koestler Parapsychology Unit, University of Edinburgh, Scotland (UK)
Duração/*Duration*: 2017/01 – 2018/10

Peer-reviewed publications

Flores, A. (2018). Edinburgh software validation test for researchers in psychology. *Open Science Journal of Psychology, 5*(5), 68-72.

Tierney, I., Watt, C., & Flores, A. (2018). Measuring organisational closure in the MPI/GQT/CMM context. *Journal of Parapsychology, 82*(2), 198-202.

118/16 – "The experiences of participants in religious healing rituals in Lourdes: The role of noetic meaning and identity shift"
Investigadores/*Researchers*: Paul Dieppe, Sarah Goldingay, Sarah Warber, Emmylou Rahtz
Instituição/*Institution*: Institute of Health Research, University of Exeter Medical School (UK); Centre for Research in Psychology, Behaviour and Achievement, University of Coventry (UK)
Duração/*Duration*: 2017/07 – 2022/09

Peer-reviewed publications

Rahtz, E., Warber, S. L., Goldingay, S., & Dieppe, P. (2021). Transcendent Experiences Among Pilgrims to Lourdes: A Qualitative Investigation. *Journal of Religion and Health, 60*(6), 3788-3806. doi:10.1007/s10943-021-01306-6

124/16 – "The missing photon experiment: Does focused attention employ matter as an agent for interacting with light?"
Investigador/*Researcher*: Loren Carpenter
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/Duration: 2017/02 – 2021/02

Peer-reviewed publications

Carpenter, L., Cannard, C., Wahbeh, H., & Radin, D. (2021). Psychophysical interactions with photons: Three exploratory studies with unexpected results. *Journal of the Society for Psychical Research, 85*(1), 31-48.

142/16 – "Gender differences in physiological correlates of multitasking"
Investigador/*Researcher*: Andre Szameitat
Instituição/*Institution*: Centre for Cognitive Neuroscience, Division of Psychology, Department of Life Sciences, Brunel University London, Uxbridge (UK)
Duração prevista/*Estimated duration*: 2017/09 – 2024/04

Peer-reviewed publications

Otermans, P., Parton, A., & Szameitat, A. J. (2021). The working memory costs of a central attentional bottleneck in multitasking. *Psychological Research*. doi:10.1007/s00426-021-01615-1

Szameitat, A. J., & Hayati, M. (2019). Gender differences in polychronicity. *Frontiers in psychology, 10*, 597. doi:10.3389/fpsyg.2019.00597

147/16 – "Metarepresentations of supernatural belief and the effect of context on physiological responses and cognitions"
Investigadores/*Researchers*: Malcolm Schofield, Ian Baker, David Sheffield, Paul Staples
Instituição/Institution: Department of Psychology, College of Life and Natural Sciences, University of Derby (UK)
Duração/*Duration*: 2018/02 – 2023/07

Peer-reviewed publications

Schofield, M., Sheffield, D., & Baker, I. (2022). Metarepresentations of Supernatural Belief and the Effect of Context on Cognition. *Journal of Scientific Exploration, 36*(2), 289-297. doi:10.31275/20222501

152/16 – "The role of the lateral occipital area in the visual processing of object size, shape, and orientation within and outside conscious awareness"
Investigadores/*Researchers*: Philippe Chouinard, Irene Sperandio, Robin Laycock
Instituição/*Institution*: La Trobe University, Melbourne (Australia); School of Psychology, University of East Anglia, Norwich (UK)
Duração/*Duration*: 2017/03 – 2019/09

Peer-reviewed publications

Peel, H. & Chouinard, P. (2022). fMRI form adaptation and size repetition enhancement in different subdivisions of the lateral occipital complex. *Cortex, 154*, 135-148. doi:10.1016/j.cortex.2022.04.020

Peel, H. J., Royals, K. A., & Chouinard, P. A. (2021). The effects of word identity, case, and SOA on word priming in a subliminal context. *Journal of Psycholinguistic Research*. doi:10.1007/s10936-021-09783-2

Peel, H. J., Sherman, J. A., Sperandio, I., Laycock, R., & Chouinard, P. A. (2019). Perceptual size discrimination requires awareness and late visual areas: A continuous flash

suppression and interocular transfer study. *Consciousness and Cognition, 67*, 77-85. doi:10.1016/j.concog.2018.11.012

Cox, E. J., Sperandio, I., Laycock, R., & Chouinard, P. A. (2018). Conscious awareness is required for the perceptual discrimination of threatening animal stimuli: A visual masking and continuous flash suppression study. *Consciousness and Cognition, 65*, 280-292. doi:10.1016/j.concog.2018.09.008

Peel, H. J., Sperandio, I., Laycok, R., & Chouinard, P. (2018). Perceptual discrimination of basic object features is not facilitated when priming stimuli are prevented from reaching awareness by means of visual masking. *Frontiers in Integrative Neuroscience, 2*: 13. doi:10.3389/fnint.2018.00013

Laycok, R., Sherman, J. A., Sperandio, I., & Chouinard, P. A. (2017). Size aftereffects are eliminated when adaptor stimuli are prevented from reaching awareness by continuous flash suppression. *Frontiers in Human Neuroscience, 11*: 479. doi:10.3389/fnhum.2017.00479

157/16 – "Estranged from oneself, estranged from the others: Investigating the effect of depersonalisation on self-other mirroring"

Investigadores/*Researchers*: Anna Ciaunica, Harry Farmer, Ophelia Deroy, Vittorio Gallese
Instituição/*Institution*: Institute of Philosophy Porto, University of Porto (Portugal); Institute of Cognitive Neuroscience, University College London (UK)
Duração/*Duration*: 2017/05 – 2021/09

Peer-reviewed publications

Wozniak, M., McEllin, L., Hohwy, J., & Ciaunica, A. (2023). Depersonalization affects self-prioritization of bodily, but not abstract self-related information. *Journal of Experimental Psychology: Human Perception and Performance, 49*(11), 1447–1459. doi:10.1037/xhp0001153

Ciaunica, A., Seth, A., Limanowski, J., Hesp, C., & Friston, K. (2022). I overthink - Therefore I am not: An active inference account of altered sense of self and agency in depersonalisation disorder. *Consciousness and Cognition, 101*. doi:10.1016/j.concog.2022.103320.

Ciaunica, A. (forthcoming, 2022). (Des)Integrating the self – Atypical multisensory integration of self- and world perception in depersonalisation and psychedelic experiences. In L. Chris & G. Philip (Eds.). *Philosophical Perspectives on the Psychedelic Renaissance*. Oxford University Press.

Ciaunica, A., Mathew, J. M., Deroy, O., & Fairhurst, M. T. (2021). Getting in touch with the lost self: Vicarious and affective touch in depersonalisation. doi:10.31234/osf.io/4pnyq

Ciaunica, A., Charlton, J., & Farmer, H. (2021). When the window cracks: Transparency and the fractured self in depersonalisation. *Phenomenology and the Cognitive Sciences, 20*(1), 1-19. doi:10.1007/s11097-020-09677-z

Ciaunica, A., Roepstorff, A., Fotopoulou, A., & Petreca, B. (2021). Whatever next and close to my self – The transparent senses and the 'Second Skin': Implications for the case of depersonalisation. *Frontiers in Psychology, 12*: 613587. doi:10.3389/fpsyg.2021.613587

Farmer, H., Cataldo, A., Adel, N., Wignall, E., Gallese, V., Deroy, O., Hamilton, A., & Ciaunica, A. (2020). The detached self: Investigating the effect of depersonalisation on self-bias in the visual remapping of touch. *Multisensory Research, 34*(4), 365-386. doi:10.1163/22134808-bja10038

159/16 – "Unraveling the neural mechanisms of human memory decisions with magnetoencephalography"

Investigadores/*Researchers*: Carlo Sestieri, Stefania Della Penna
Instituição/*Institution*: Department of Neurosciences, Imaging and Clinical Sciences, University "G. D'Annunzio" of Chieti - Pescara (Italy)
Duração/*Duration*: 2017/05 – 2022/11

Peer-reviewed publications

Spadone, S., Tosoni, A., Penna, S. & Sestieri, C. (2022). Alpha rhythm modulations in the intraparietal sulcus reflect decision signals during item recognition. *NeuroImage, 258,* 119375. doi:10.1016/j.neuroimage.2022.119345

Spadone, S., Betti, V., Sestieri, C., Pizzella, V., Corbettam M., & Della Penna, S. (2021). Spectral signature of attentional reorienting in the human brain. *NeuroImage, 244*: 118616. doi:10.1016/j.neuroimage.2021.118616

169/16 – "The potential effect of behavioral stimulation on social competence in dogs (via endogenous oxytocin release)"

Investigadores/*Researchers*: Anna Kis, József Topál, Alin Ciobica, Radu Lefter, Katinka Tóth

Instituição/*Institution*: Institute of Cognitive Neuroscience and Psychology, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest (Hungary); Department of Animal Physiology and Behaviour "Alexandru Ioan Cuza" University, Iasi (Romania)

Duração/*Duration*: 2017/01 – 2021/11

Peer-reviewed publications

Lefter, R., Cojocariu, R.O., Ciobica, A., Balmus, I.-M., Mavroudis, I. & Kis, A. (2022). Interactions between sleep and emotions in humans and animal models. *Medicina, 58*(2), 274. doi:10.3390/medicina58020274

Bolló, H., Kiss, O., Kis, A., & Topál, J. (2021). The implicit reward value of the owner's face for dogs. *iScience, 24*(8), 102763. doi:10.1016/j.isci.2021.102763

Reicher, V., Bunford, N., Kis, A., Carreiro, C., Csibra, B., Kratz, L., & Gácsi, M. (2021). Developmental features of sleep electrophysiology in family dogs. *Scientific reports, 11*(1), 22760. doi:10.1038/s41598-021-02117-1

Reicher, V., Kis, A., Simor, P., Bódizs, R., & Gácsi , M. (2021). Interhemispheric asymmetry during NREM sleep in the dog. *Scientific Reports, 11*: 18817. doi:10.1038/s41598-021-98178-3

Bolló, H., Kovács, K., Lefter, R., Gombos, F., Kubinyi, E., Topál, J., & Kis, A. (2020). REM versus Non-REM sleep disturbance specifically affects inter-specific emotion processing in family dogs (Canis familiaris). *Scientific Reports, 10*: 10492. doi 10.1038/s41598-020-67092-5

Gähwiler, S., Bremhorst, A., Tóth, K., & Riemer, S. (2020). Fear expressions of dogs during New Year fireworks: a video analysis. *Scientific Reports, 10*: 16035. doi:10.1038/s41598-020-72841-7

Gergely, A., Kiss, O., Reicher, V., Iotchev, I., Kovács, E., Gombos, F., ... Kis, A. (2020). Reliability of family dogs' sleep structure scoring based on manual and automated sleep stage identification. *Animals, 10*. doi:10.3390/ani10050000

Gunde, E., Czeibert, K., Gábor, A., Szabó, D., Kis, A., Arany-Tóth, A., ... & Kubinyi, E. (2020). Longitudinal Volumetric Assessment of Ventricular Enlargement in Pet Dogs Trained for Functional Magnetic Resonance Imaging (fMRI) Studies. *Veterinary Sciences, 7*(3), 127. doi:10.3390/vetsci7030127

Iotchev, I. B., Reicher, V., Kovács, E., Kovács, T., Kis, A., Gácsi, M., & Kubinyi, E. (2020). Averaging sleep spindle occurrence in dogs predicts learning performance better than single measures. *Scientific Reports, 10*: 22461. doi:10.1038/s41598-020-80417-8

Iotchev, I. B., Szabó, D., Kis, A., & Kubinyi, E. (2020). Possible association between spindle frequency and reversal-learning in aged family dogs. *Scientific Reports, 10*(1), 6505. doi:10.1038/s41598-020-63573-9

Kis, A., & Topál, J. (2020). Response to intranasal oxytocin, empathy, and contagious yawning in dogs and humans. *Applied Animal Behaviour Science, 224*, 104969. doi:10.1016/j.applanim.2020.104969

Kiss, O., Kis, A., Scheiling, K., & Topál, J. (2020). Behavioral and neurophysiological correlates of dogs' individual sensitivities to being observed by their owners while performing a repetitive fetching task. *Frontiers in Psychology, 11*: 1461. doi:10.3389/fpsyg.2020.01461

Reciher, V., Kis, A., Simor, P., Bódizs, R., Gombos, F., & Gácsi, M. (2020). Repeated afternoon sleep recordings indicate first-night-effect-like adaptation process in family dogs. *Journal of Sleep Research, 29*(6), e12998. doi:10.1111/jsr.12998

Bódizs, R., Kis, A., Gácsi, M., & Topál, J. (2019). Sleep in the dog: comparative, behavioral and translational relevance. *Current Opinion in Behavioral Sciences, 33*, 25-33. doi:10.1016/j.cobeha.2019.12.006

Hritcu, L. D., Horhogea, C., Ciobica, A., Spataru, M. C., Spataru, C., & Kis, A. (2019). Conceptual replication of canine serum oxytocin increase following a positive dog-human interaction. *Revista de Chimie, 70*(5), 1579-1581

Iotchev, I. B., Kis, A., Turcsán, B., Tejeda Fernández de Lara, D. R., Reicher, V., & Kubinyi, E. (2019). Age-related differences and sexual dimorphism in canine sleep spindles. *Scientific reports, 9*(1), 10092. doi:10.1038/s41598-019-46434-y

Kis, A., Oliva, J., Virányi, Z., & Topál, J. (2019). Editorial: Oxytocin and social behaviour in dogs and other (self-)domesticated species: Methodological caveats and promising perspectives. Frontiers in Psychology, 10:732. doi:10.3389/fpsyg.2019.00732

Kis, A., Toth, K., Kanizs, O., & Topál, J. (2019). The effect of oxytocin on yawning by dogs (*Canis familiaris*) exposed to human yawns. *Applied Animal Behaviour Science*. doi:10.1016/j.applanim.2019.104916

Bunford, N., Reicher, V., Kis, A., Pogány, A., Gombos, F., Bódizs, R., & Gácsi, M. (2018). Differences in pre-sleep activity and sleep location are associated with variability in daytime/nighttime sleep electrophysiology in the domestic dog. *Scientific Reports, 8*: 7109. doi:10.1038/s41598-018-25546-x

Kovács, E., Kosztolányi, A., & Kis, A. (2018). Rapid eye movement density during REM sleep in dogs (Canis familiaris). *Learning & Behavior, 46*(4), 554-560. doi:10.3758/s13420-018-0355-9

Kovács, K., Virányi, Z., Kis, A., Turcsán, B., Hudecz, Á., Marmota, T., Koller, D., Rónai, Z., Gácsi, M., & Topál, J. (2018). Dog-owner attachment is associated with oxytocin receptor gene polymorphisms in both parties. A comparative study on austrian and hungarian border collies. *Frontiers in Psychology, 9*, 435. doi:10.3389/fpsyg.2018.00435

Varga, B., Gergely, A., Galambos, Á., & Kis, A. (2018). Heart rate and heart rate variability during sleep in family dogs (Canis familiaris). Moderate effect of pre-sleep emotions. *Animals, 8*(7), 107.

Bunford, N., Andics, A., Kis, A., Miklósi, Á., & Gácsi, M. (2017). Canis familiaris as model for non-invasive comparative neuroscience. *Trends in Neuroscience, 40*(7), 438-452. doi:10.1016/j.tins.2017.05.003

Kis, A., Ciobica, A., & Topál, J. (2017). The effect of oxytocin on human-directed social behaviour in dogs (Canis familiaris). *Hormones and Behavior 94*, 40-52. doi:10.1016/j.yhbeh.2017.06.001

Kis, A., Gergely, A., Galambos, Á., Abdai, J., Gombos, F., Bódizs, R., & Topál, J. (2017). Sleep macrostructure is modulated by positive and negative social experience in adult pet dogs. *Proceedings of the Royal Society B, 284*(1865). doi:10.1098/rspb.2017.1883

Kis, A., Hernádi, A., Miklósi, B., Kanizsár, O., & Topál, J. (2017). The way dogs (Canis familiaris) look at human emotional faces is modulated by oxytocin. An eye-tracking study. *Frontiers in Behavioral Neurosciences, 11*:210. doi:10.3389/fnbeh.2017.00210

Oláh, K., Topál, J., Kovács, Z., Kis, A., Koller, D., Park, S. Y., & Virányi, Z. (2017). Gaze-following and reaction to an aversive social interaction have corresponding associations with variation in the OXTR gene in dogs but not in human infants. *Frontiers in Psychology, 8*:2156. doi:10.3389/fpsyg.2017.02156

174/16 – "Learning to sense God: How cognitive absorption and mental training shape religious experience"

Investigadores/*Researchers*: Tanya Luhrmann, Michael Lifshitz, Amir Raz
Instituição/*Institution*: McGill University & Montreal Neurological Institute (Canada); Department of Anthropology, Stanford University, California (USA)
Duração/*Duration*: 2019/02 – 2023/01

Peer-reviewed publications

Girn, M., Spreng, R. N., Margulies, D. S., Van Elk, M., & Lifshitz, M. (2023). Trait absorption is not reliably associated with brain structure or resting-state functional connectivity. *Neuroimage: Reports, 3*(2), 100171. doi:10.1016/j.ynirp.2023.100171

Lifshitz, M., van Elk, M., & Luhrmann, T. M. (2019). Absorption and spiritual experience: A review of evidence and potential mechanisms. *Consciousness and Cognition, 73*: 102760. doi:10.1016/j.concog.2019.05.008

176/16 – "Age differences in resting state EEG and their relation to eye movements and cognitive performance"

Investigadores/*Researchers*: Stephen Badham, Mark Crook-Rumsey, David Connelly, Trevor Crawford, Christina Howard
Instituição/*Institution*: Division of Psychology, Nottingham Tent Univeristy (UK); Department of Psychology, Lancaster University (UK)
Duração/*Duration*: 2017/12 – 2021/05

Peer-reviewed publications

Stacey, J. E., Crook-Rumsey, M., Sumich, A., Howard, C. J., Crawford, T., Livne, K., Lenozi, S., & Badham, S. (2021). Age differences in resting state EEG and their relation to eye movements and cognitive performance. *Neuropsychologia*. doi:10.1016/j.neuropsychologia.2021.107887

183/16 – "Decoding the language of 'now': EEG microstates in experienced meditators, from letters to grammar"
Investigadores/*Researchers*: Elena Antonova, Chrystopher Nehaniv
Instituição/*Institution*: Department of Psychology, Institute of Psychiatry, Psychology & Neuroscience, King's College London (UK); University of Hertfordshire, Hatfield (UK)
Duração/*Duration*: 2017/09 – 2023/09

Peer-reviewed publications

Antonova, E., Holding, M., Chak Suen, H., Sumich, A., Maex, R., & Nehaniv, C. (2022). EEG microstates: Functional significance and short-term test-retest reliability. *Neuroimage: Reports, 2*(2), 100089. doi:10.1016/j.ynirp.2022.100089

Antonova, E., Schlosser, K., Pandey, R., & Kumari, V. (2021). Coping with COVID-19: Mindfulness-based approaches for mitigating mental health crisis. *Frontiers in Psychiatry, 12*: 563417. doi:10.3389/fpsyt.2021.563417

Nehaniv, C., & Antonova, E. (2017). Simulating and reconstructing neurodynamics with epsilon-automata applied to electroencephalography (EEG) microstate sequences. *Proceedings of the IEEE Symposium on Computational Intelligence, Cognitive Algorithms, Mind, and Brain (IEEE CCMB'17)* (pp. 1753-1761). Honolulu, USA: IEEE. doi:10.1109/SSCI.2017.8285438

188/16 – "Accuracy and neural correlates of blinded mediumship compared to controls"
Investigadores/*Researchers*: Arnaud Delorme, Helane Wahbeh
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2017/10 – 2020/10

Peer-reviewed publications

Delorme, A., Cannard, C., Radin, D., & Wahbeh, H. (2020). Accuracy and neural correlates of blinded mediumship compared to controls on an image classification task. *Brain and Cognition, 146*: 105638. doi:10.1016/j.bandc.2020.105638

189/16 – "Implicit beliefs in the study of experimenter effects in the replication of psi experiments: A global initiative"
Investigadores/*Researchers*: Marilyn Schlitz, Arnaud Delorme, Daryl Bem
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma, California (USA)
Duração/Duration: 2017/10 – 2021/04

Peer-reviewed publications

Schlitz, M., & Delorme, A. (2021). Examining implicit beliefs in a replication attempt of a time-reversed priming task [version 2; peer review: 2 approved]. *F1000Research, 10*: 5. doi:10.12688/f1000research.27169.2

190/16 – "Sleeping body, sentient mind? Searching for the neural bases of conscious experiences during sleep"
Investigadores/*Researchers*: Eus Van Someren, Yishul Wei
Instituição/*Institution*: Department of Sleep and Cognition, Netherlands Institute for Neuroscience, Amsterdam (The Netherlands)
Duração/*Duration*: 2017/10 – 2019/06

Peer-reviewed publications

Wei, Y., & Van Someren, E. J. W. (2020). Interoception relates to sleep and sleep disorders. *Current Opinion in Behavioral Sciences, 33*, 1-7. doi:10.1016/j.cobeha.2019.11.008

Van Someren, E. J. W. (2020). Brain mechanisms of insomnia: new perspectives on causes and consequences. *Physiological Reviews*. doi:10.1152/physrev.00046.2019

Christensen, J. A. E., Wassing, R., Wei, Y., Ramautar, J. R., Lakbila-Kamal, O., Jennum, P. J., & Van Someren, E. J. W. (2019). Data-driven analysis of EEG reveals concomitant superficial sleep during deep sleep in insomnia disorder. *Frontiers in Neuroscience, 13*: 598. doi:10.3389/fnins.2019.00598

Leerssen, J., Wassing, R., Ramautar, J. R., Stoffers, D., Lakbila-Kamal, O., Perrier, J., Bruijel, J., Foster-Dingley, J. C., Aghajani, M., & Van Someren, E. (2019). Increased hippocampal-prefrontal functional connectivity in insomnia. *Neurobiology of Learning and Memory, 160*, 144-150. doi:10.1016/j.nlm.2018.02.006

Wei, Y., Bresser, T., Wassing, R., Stoffers, D., Van Someren, E. J. W., & Foster-Dingleya, J. C. (2019). Brain structural connectivity network alterations in insomnia disorder reveal a central role of the right angular gyrus. *NeuroImage: Clinical, 24*: 102019. doi:10.1016/j.nicl.2019.102019

Wei, Y., Leerssen, J., Wassing, R., Stoffers, D., Perrier, J., & Van Someren, E. J. W. (2019). Reduced dynamic functional connectivity between salience and executive brain networks in insomnia disorder. *Journal of Sleep Research*, e12953. doi:10.1111/jsr.12953

Te Lindert, B. H. W., Blanken, T. F., van der Meijden, W. P., Dekker, K., Wassing, R., van der Werf, Y. D., Ramautar, J. R., & Van Someren, E. J. W. (2019). Actigraphic multi-night home-recorded sleep estimates reveal three types of sleep misperception in Insomnia Disorder and good sleepers. *Journal of Sleep Research*, e12937. doi:10.1111/jsr.12937

Wei, Y., Blanken, T. F., & Van Someren, E. J. W. (2018). Insomnia really hurts: Effect of a bad night's sleep on pain increases with insomnia severity. *Frontiers in Psychiatry, 9*: 377. doi:10.3389/fpsyt.2018.00377

Wei, Y., Ramautar, J. R., Colombo, M. A., Te Lindert, B. H. W., & Van Someren, E. J. W. (2018). EEG microstates indicate heightened somatic awareness in insomnia: Toward objective assessment of subjective mental content. *Frontiers in Psychiatry, 9*: 395. doi:10.3389/fpsyt.2018.00395

191/16 – "Mind-matter entanglement correlation"

Investigador/*Researcher*: Hartmut Grote
Instituição/*Institution*: Max-Planck Institute for Gravitational Physics (Albert Einstein Institute), Hannover (Germany)
Duração/*Duration*: 2017/03 – 2021/03

Peer-reviewed publications

Grote, H. (2021). Mind-matter entanglement correlations: Blind analysis of a new correlation matrix experiment. *Journal of Scientific Exploration, 35*(2), 287-310. doi:10.31275/20211931

193/16 – "How do dopamine neurons and striatal populations interact during decision-making?"

Investigadores/*Researchers*: Joseph Paton, Sofia Soares, Asma Motiwala, Bruno Cruz
Instituição/*Institution*: Champalimaud Centre for the Unknown, Lisboa (Portugal)
Duração/*Duration*: 2017/07 – 2022/10

Peer-reviewed publications

Patton, J. J., & Buonomano, D. V. (2018). The neural basis of timing: Distributed mechanisms for diverse functions. *Neuron, 98*(4), 687-705. doi:10.1016/j.neuron.2018.03.045

195/16 – "The sense of self: A neuroimaging study of interactions between intrinsic and extrinsic self networks"

Investigadores/*Researchers*: Sjoerd Ebisch, Mauro Gianni Perrucci
Instituição/*Institution*: Department of Neurosciences, Imaging and Clinical Sciences, University "G. D'Annunzio" of Chieti - Pescara (Italy)
Duração/*Duration*: 2017/04 – 2019/10

Peer-reviewed publications

Di Plinio, S., Arnò, S., Perrucci, M. G., & Ebisch, S. J. H. (2020). The evolving sense of agency: Context recency and quality modulate the interaction between prospective and retrospective processes. *Consciousness and Cognition, 80*: 102903. doi:10.1016/j.concog.2020.102903

Di Plinio, S., & Ebisch, S. J. H. (2020). Combining local and global evolutionary trajectories of brain-behaviour relationships through game theory. *European Journal of Neuroscience, 52*(9), 4198-4213. doi:10.1111/ejn.14883

Di Plinio, S., Perrucci, M. G., & Ebisch, S. (2020). The prospective sense of agency is rooted in local and global properties of intrinsic functional brain networks. *Journal of Cognitive Neuroscience*. doi:10.1162/jocn_a_01590

Di Plinio, S., Arnò, S., Perrucci, M. G., & Ebisch, S. J. (2019). Environmental control and psychosis-relevant traits modulate the prospective sense of agency in non-clinical individuals. *Consciousness and Cognition, 73*: 102776 doi:10.1016/j.concog.2019.102776

Di Plinio, S., Perrucci, M. G., Aleman, A., & Ebisch, S. J. H. (2019). I am Me: Brain systems integrate and segregate to establish a multidimensional sense of self. *NeuroImage, 205*, Article 116284. doi:10.1016/j.neuroimage.2019.116284

Di Plinio, S., & Ebisch, S. (2018). Brain network profiling defines functionally specialized cortical networks. *Human Brain Mapping, 39*(12), 4689-4706. doi:10.1002/hbm.24315

198/16 – "The effects of verbal suggestion on body perception"
Investigadores/*Researchers*: Eamonn Walsh, Quinton Deeley, Mitul Mehta, Matthew Longo
Instituição/*Institution*: Department of Basic and Clinical Neuroscience, Institute of Psychiatry, Psychology & Neuroscience, King's College London (UK); Body Representation Laboratory, Birkbeck, University of London (UK)
Duração/*Duration*: 2017/04 – 2024/01

Peer-reviewed publications

Walsh, E. & Oakley, D. (2022). Editing reality in the brain. *Neuroscience of Consciousness. 1,* 1-12. doi:10.1093/nc/niac009

203/16 – "Extraordinary experiences and performance on psi tasks during and after meditation classes and retreats"
Investigadores/*Researchers*: Jennifer Kim Penberthy, Cassandra Vieten, Lori Derr, Arnaud Delorme, Jenny Matthews, Loraine Walter
Instituição/*Institution*: Division of Perceptual Studies, Department of Psychiatry and Neurobehavioral Sciences, University of Virginia, Charlottesville (USA); Institute of Noetic Sciences, Petaluma, California (USA)
Duração/*Duration*: 2018/01 – 2020/01

Peer-reviewed publications

Penberthy, K., Hodge, A., Hook, J., Delorme, A., Pehlivanova, M., & Vieten, C., & (2020). Meditators and nonmeditators: A descriptive analysis over time with a focus on unusual and extraordinary experiences. *Journal of Yoga and Physiotherapy, 8(3)*, 555744. doi:10.19080/JYP.2020.08.555744

206/16 – "Developing a neurofunctional intervention for emotion regulation under stress"
Investigadores/*Researchers*: Pedro Morgado, Carles Soriano Mas, Paulo Marques, Pedro Moreira, Ricardo Magalhães
Instituição/*Institution*: Life and Health Sciences Research Institute - ICVS, School of Health Sciences, University of Minho, Braga (Portugal); Department of Psychiatry, Bellvitge Biomedical Research Institute - IDIBELL, Barcelona (Spain)
Duração/*Duration*: 2017/01 – 2023/01

Peer-reviewed publications

Caetano, I., Ferreira, S., Coelho, A., Amorim, L., Castanho, T. C., Portugal-Nunes, C., Soares, J. M., Gonçalves, N., Sousa, R., Reis, J., Lima, C., Marques, P., Moreira, P. S., Rodrigues, A. J., Santos, N. C., Morgado, P., Magalhães, R., Picó-Pérez, M., Cabral, J., & Sousa, N. (2022). Perceived stress modulates the activity between the amygdala and the cortex. *Molecular Psychiatry.* doi:10.1038/s41380-022-01780-8

De la Peña-Arteaga, V., Morgado, P., Couto, B., Ferreira, S., Castro, I., Sousa, N., Soriano-Mas, C., & Picó-Pérez, M. (2022). An fMRI study of frontal newtworks in obsessive-compulsive disorder during cognitive reappraisal. *European Psychiatry,* 1-22, doi:10.1192/j.eurpsy.2022.2322.

Manarte, L., Andrade, A. R., Rosário, L., Sampaio, D., Figueira, M. L., Langley, C., Morgado, P., & Sahakian, B. J. (2021). Poor insight in obsessive compulsive disorder (OCD): Associations with empathic concern and emotion recognition. *Psychiatry Research, 304*, 114129. doi:10.1016/j.psychres.2021.114129

Ferreira, S., Pêgo, J. M., & Morgado, P. (2019). The efficacy of biofeedback approaches for obsessive-compulsive and related disorders: A systematic review and meta-analysis. *Psychiatry Research, 272*, 237–245. doi:10.1016/j.psychres.2018.12.096

Ferreira, S., Veiga, C., Moreira, P., Magalhães, R., Coelho, A., Marques, P., …, Morgado, P. (2019). Reduced Hedonic Valuation of Rewards and Unaffected Cognitive Regulation in Chronic Stress. *Frontiers in Neuroscience, 13*: 724. doi:10.3389/fnins.2019.00724

Sousa-Lima, J., Moreira, P. S., Raposo-Lima, C., Sousa, N., & Morgado, P. (2019). Relationship between obsessive compulsive disorder and cortisol: Systematic review and meta-analysis. *European Neuropsychopharmacology*. doi:10.1016/j.euroneuro.2019.09.001

Morgado, P., & Cerqueira, J. J. (2018). Editorial: The impact of stress on cognition and motivation. *Frontiers in Behavioral Neuroscience, 12*: 326. doi:10.3389/fnbeh.2018.00326

207/16 – "The role of motion adaptation in bottom-up mechanisms of perceptual decision-making"
Investigadores/*Researchers*: Miguel Castelo-Branco, João Duarte, Ricardo Martins, Teresa Sousa, Gabriel Costa
Instituição/*Institution*: Institute for Nuclear Sciences Applied to Health - ICNAS, University of Coimbra (Portugal)
Duração/*Duration*: 2017/11 – 2019/10

Peer-reviewed publications

Sousa, T., Duarte, J. V., Costa, G. N., Kemper, V. G., Martins, R., Goebel, R., & Castelo-Branco, M. (2021). The dual nature of the BOLD signal: Responses in visual area hMT+ reflect both input properties and perceptual decision. *Human Brain Mapping*. doi:10.1002/hbm.25339

Verdade, A., Castelhano, J., Sousa, T., & Castelo-Branco, M. (2020). How positive emotional content overrules perceptual history effects: Hysteresis in emotion recognition. *Journal of Vision, 20*(8):19. doi:10.1167/jov.20.8.19

Castelhano, J., Duarte, I. C., Ferreira, C., Duraes, J., Madeira, H., & Castelo-Branco, M. (2019). The role of the insula in intuitive expert bug detection in computer code: an fMRI study. *Brain Imaging and Behavior, 3*(3), 623-637. doi:10.1007/s11682-018-9885-1

Sousa, T., Duarte, J., Costa, G. N., Kemper, V. G., Martins, R., Goebel, R., & Castelo-Branco, M. (2019). Tracking perceptual decision mechanisms through changes in interhemispheric functional connectivity in human visual cortex. *Scientific Reports, 9*, Article number: 1242. doi:10.1038/s41598-018-37822-x

Duarte, I. C., Brito-Costa, S., Cayolla, R., & Castelo-Branco, M. (2018). The role of prefrontal cortex in a battle of the sexes dilemma involving a conflict between tribal and romantic love. *Scientific Reports, 8*: 12133.

Sousa, T., Sayal, A., Duarte, J. V., Costa, G., Martins, R., Castelo-Branco, M. (2018). Evidence for distinct levels of neural adaptation to both coherent and incoherently moving visual surfaces in visual area hMT+. *NeuroImage, 179*, 540-547. doi:10.1016/j.neuroimage.2018.06.075

211/16 – "Waking conscious states and offline memory processing"
Investigadores/*Researchers*: Erin Wamsley, Theodore Summer
Instituição/*Institution*: Department of Psychology, Furman University, Greenville (USA)
Duração/*Duration*: 2017/08 – 2020/09

Peer-reviewed publications

Wamsley, E. J., Arora, M., Gibson, H., Powell, P., & Collins, M. (2023). Memory consolidation during ultra-short offline states. *Journal of Cognitive Neuroscience*, *35*(10), 1617–1634. doi:10.1162/jocn_a_02035

Wamsley, E., & Summer, T. (2020). Spontaneous entry into an "offline" state during wakefulness: A mechanism of memory consolidation? *Journal of Cognitive Neuroscience, 32*(9), 1714-1734. doi:10.1162/jocn_a_01587

Wamsley, E. J. (2019). Memory consolidation during waking rest. *Trends in Cognitive Sciences, 23*(3), 171-173. doi:10.1016/j.tics.2018.12.007

217/16 – "Physiological indices of the deleterious effects of unrealistic media images on body satisfaction: A cross-cultural investigation"
Investigadores/*Researchers*: Clédna Patrícia de Oliveira-Silva, Rachel Rodgers, Óscar Gonçalves, Pedro Dias, Rosana Magalhães, Eugénia Fernandes, Bárbara Machado, Joana Coutinho, Mike Marriott
Instituição/*Institution*: Centre for Studies in Human Development, Faculty of Education and Psychology, Universidade Católica Portuguesa, Porto (Portugal); Department of Applied Psychology, Northeastern University, Boston (USA); Nottingham Trent University (UK)
Duração/*Duration*: 2018/06 – 2023/07

Peer-reviewed publications

Sousa, T., Sayal, A., Duarte, J. V., Costa, G. N., & Castelo-Branco, M. (2024). A human cortical adaptive mutual inhibition circuit underlying competition for perceptual decision and repetition suppression reversal. *NeuroImage, 285*, 120488. doi:10.1016/j.neuroimage.2023.120488

Oliveira-Silva, P., Maia, L., Coutinho, J., Moreno, A. F., Penalba, L., Frank, B., Soares, J. M., Sampaio, A., & Gonçalves, Ó. F. (2023). Nodes of the default mode network implicated in

the quality of empathic responses: A clinical perspective of the empathic response. *International Journal of Clinical and Health Psychology, 23*(1), 100319. doi:10.1016/j.ijchp.2022.100319

Costa, C., Soares, J., Oliveira-Silva, P., Sampaio, A., & Coutinho, J. (2022). Interplay between the salience and the default mode network in a social-cognitive task toward a close other. *Frontiers in Psychiatry, 12,* 718400. doi:10.3389/fpsyt.2021.718400

Penalba-Sánchez, L., di Gregorio, E., Moreno, A. F., Machado, B. C., Dias, P., & Oliveira-Silva, P. (2022). "Antibodies": Investigating the effects of social media usage and psychological distress on body dissatisfaction during the COVID-19 pandemic. *Psychology & Neuroscience, 15*(4), 320-331. doi:10.1037/pne0000298

Oliveira, A., McPherson, G., Ribeiro, L. M., & Oliveira-Silva, P. (2021). Musical achievement during a lockdown: The parental support miracle. *Research Studies in Music Education*. doi:10.1177/1321103X211033794

218/16 – "Virtual bodies, real empathy: Behavioural, bodily, and neural reactivity to the observation of pain and pleasure on self and others in immersive virtual reality"
Investigadores/*Researchers*: Gaetano Tieri, Martina Fusaro, Valentina Nicolardi, Salvatore Maria Aglioti
Instituição/*Institution*: Unitelma Sapienza, Rome (Italy); Social Cognitive Neuroscience Laboratory, University of Rome "La Sapienza" (Italy)
Duração/*Duration*: 2017/04 – 2020/03

Peer-reviewed publications

Fossataro, C., Tieri, G., Grollero, D., Bruno, V., & Garbarini, F. (2020). Hand blink reflex in virtual reality: the role of vision and proprioception in modulating defensive responses. *European Journal of Neuroscience, 51*(3), 937-951. doi:10.1111/ejn.14601

Fusco, G., Tieri, G., & Aglioti, S.M. (2020). Visual feedback from a virtual body modulates motor illusion induced by tendon vibration. *Psychological Research*. doi:10.1007/s00426-020-01366-5

Fusaro, M., Tieri, G., & Aglioti, S. M. (2019). Influence of cognitive stance and physical perspective on subjective and autonomic reactivity to observed pain and pleasure: An immersive virtual reality study. *Consciousness and Cognition, 67*, 86-97. doi:10.1016/j.concog.2018.11.010

Tieri, G., Gioia, A., Scandola, M., Pavone, E. F., & Aglioti, S. M. (2017). Visual appearance of a virtual upper limb modulates the temperature of the real hand: a thermal imaging study in Immersive Virtual Reality. *European Journal of Neuroscience, 45*(9), 1141-1151. doi:10.1111/ejn.13545

226/16 – "Linking strawberries and politicians: The electrophysiology of the bimodal bilingual brain"
Investigadores/*Researchers*: Cristina Baus, Albert Costa, Marc Gimeno
Instituição/*Institution*: Center for Brain and Cognition – CBC, Universitat Pompeu Fabra, Barcelona (Spain)
Duração/*Duration*: 2017/09 – 2020/01

Peer-reviewed publications

Gimeno-Martínez, M., Costa, A., & Baus, C. (2020). Influence of gesture and linguistic experience on sign perception. *The Journal of Deaf Studies and Deaf Education, 25*(1), 80-90. doi:10.1093/deafed/enz031

238/16 – "When prediction errs: Examining the brain dynamics of altered saliency in self-voice perception"
Investigadores/*Researchers*: Ana Pinheiro, Sonja Kotz, Michael Schwartze
Instituição/*Institution*: Faculdade de Psicologia da Universidade de Lisboa (Portugal); Faculty of Psychology and Neuroscience, University of Maastricht (The Netherlands)
Duração/*Duration*: 2017/03 – 2020/01

Peer-reviewed publications

Johnson, J., Belyk, M., Schwartze, M., Pinheiro, A., & Kotz, S. (2022). Hypersensitivity to passive voice hearing in hallucination proneness. *Frontiers in Human Neuroscience, 16*, 859731. doi:10.3389/fnhum.2022.859731

Johnson, J. F., Belyk, M., Schwartze, M., Pinheiro, A. P., & Kotz, S. A. (2021). Expectancy changes the self-monitoring of voice identity. *European Journal of Neuroscience, 53*(8), 2681-2695. doi:10.1111/ejn.15162

Johnson, J. F., Belyk, M., Schwartze, M., Pinheiro, A. P., & Kotz, S. A. (2019). The role of the cerebellum in adaptation: ALE meta-analyses on sensory feedback error. *Human Brain Mapping, 40*(13), 3966-3981. doi:10.1002/hbm.24681

Pinheiro, A. P., Farinha-Fernandes, A., & Kotz, S. A. (2019). Self-voice perception and its relationship with hallucination predisposition. *Cognitive Neuropsychiatry, 24*(4), 237-255. doi:10.1080/13546805.2019.1621159

Pinheiro, A. P., Schwartze, M., Gutierrez, F., & Kotz, S. A. (2019). When temporal prediction errs: ERP responses to delayed action-feedback onset. *Neuropsychologia, 134*:107200. doi:10.1016/j.neuropsychologia.2019.107200

Conde, T., Gonçalves, O. F., & Pinheiro, A. P. (2018). Stimulus complexity matters when you hear your own voice: Attention effects on self-generated voice processing. *International Journal of Psychophysiology, 133*, 66-78. doi:10.1016/j.ijpsycho.2018.08.007

Kotz, S. A., Ravignani, A., & Fitch, W. T. (2018). The evolution of rhythm processing. *Trends in Cognitive Sciences, 22*(10), 896-910. doi:10.1016/j.tics.2018.08.002

249/16 – "**Healthy aging and economic decision-making: Neuropsychophysiological examination of the affect-integration-motivation framework of decision-making in aging brain"**

Investigadores/*Researchers*: João Marques-Teixeira, Rui Mata, Isabel Martins, Giuseppe Danese, Ana Gonçalves, Carina Fernandes, Rita Pasion

Instituição/*Institution*: Laboratory of Neuropsychophysiology, Faculty of Psychology and Education Sciences of the University of Porto (Portugal)

Duração/*Duration*: 2018/02 – 2023/04

Peer-reviewed publications

Fernandes, C., Macedo, I., Gonçalves, A. R., Pereira, M. R., Ferreira-Santos, F., Barbosa, F., & Marques-Teixeira, J. (2023). Effects of aging on face processing: An ERP study of the own-age bias with neutral and emotional faces. *Cortex, 161*, 13-25. doi:10.1016/j.cortex.2023.01.007

Fernandes, C., Macedo, I., Gonçalves, A. R., Pasion, R., Mata, R., Danese, G., Martins, I. P., Barbosa, F. & Marques-Teixeira, J. (2022). Neurophysiological examination of the affect-integration-motivation framework of decision-making in the aging brain: A registered report. *NeuroImage, 256*, 119189. doi:10.1016/j.neuroimage.2022.119189

250/16 – "Brain-wide functional connectivity of oxytocin neurons"

Investigadores/*Researchers*: Cristina Marquez, Santiago Canals, Aroa Sanz

Instituição/*Institution*: Instituto de Neurociencias de Alicante, Consejo Superior de Investigaciones Científicas - Universidad Miguel Hernández, San Juan de Alicante (Spain)

Duração prevista/*Estimated duration*: 2017/11 – 2024/04

Peer-reviewed publications

Gachomba, M. J. M., Esteve-Agraz, J., Caref, K., Maroto, A. S., Bortolozzo-Gleich, M. H., Laplagne, D. A., & Márquez, C. (2022). Multimodal cues displayed by submissive rats promote prosocial choices by dominants. *Current Biology, 32*(15), 3288–3301.e8. doi:10.1016/j.cub.2022.06.026

255/16 – "**Predictive coding of observed action in the brain − a 7T study"**

Investigadores/*Researchers*: Valeria Gazzola, Christian Keysers, Ritu Bhandari

Instituição/*Institution*: Netherlands Institute for Neuroscience, Royal Netherlands Academy of Arts and Sciences, Amsterdam (The Netherlands); Spinoza Centre for Neuroimaging, Amsterdam (The Netherlands)

Duração/*Duration*: 2017/02 – 2023/01

Peer-reviewed publications

Cerliani, L., Bhandari, R., De Angelis, L., van der Zwaag, W., Bazin, P.-L., Gazzola, V. & Keysers, C. (2022). Predictive coding during action observation - A depth-resolved intersubject functional correlation study at 7T. *Cortex, 148,* 121-138. doi:10.1016/j.cortex.2021.12.008

Bhandari, R., Kirilina, E., Caan, M., Suttrup, J., De Sanctis, T., De Angelis, L., ... Gazzola, V. (2020). Does higher sampling rate (multiband + SENSE) improve group statistics - An example from social neuroscience block design at 3T. *NeuroImage, 213*: 116731. doi:10.1016/j.neuroimage.2020.116731

Abdelgabar, A. R., Suttrup, J., Broersen, R., Bhandari, R., Picard, S, Keysers, C., De Zeeuw, C. I., & Gazzola, V. (2019). Action perception recruits the cerebellum and is impaired in patients with spinocerebellar ataxia. *Brain, 142*(12), 3791-3805. doi:10.1093/brain/awz337

Keysers, C., Paracampo, R., & Gazzola, V. (2018). What neuromodulation and lesion studies tell us about the function of the mirror neuron system and embodied cognition. Current Opinion in Psychology, 24, 35-40. doi:10.1016/j.copsyc.2018.04.001

260/16 – "The neural correlates of the "self" in altered states of consciousness"
Investigadores/*Researchers*: Antoine Lutz, Prisca Bauer
Instituição/*Institution*: Lyon Neuroscience Research Center, Institut National de la Santé et de la Recherche Médicale - INSERM, Bron (France)
Duração/*Duration*: 2018/01 – 2024/01

Peer-reviewed publications

Timmermann, C., Bauer, P. R., Gosseries, O., Vanhaudenhuyse, A., Vollenweider, F., Laureys, S., Singer, T., Mind and Life Europe (MLE) ENCECON Research Group, Antonova, E., & Lutz, A. (2023). A neurophenomenological approach to non-ordinary states of consciousness: hypnosis, meditation, and psychedelics. *Trends in Cognitive Sciences, 27*(2), 139-159. doi:10.1016/j.tics.2022.11.006

Bauer, P. R., Sabourdy, C., Chatard, B., Rheims, S., Lachaux, J. P., Vidal, J. R., & Lutz, A. (2021). Neural dynamics of mindfulness meditation and hypnosis explored with intracranial EEG: a feasibility study. *Neuroscience Letters, 766*, 136345. doi:10.1016/j.neulet.2021.136345

264/16 – "The influence of maternal bonding in neuroimmune synaptic sculpting"
Investigadores/*Researchers:* Ana Luísa Cardoso, João Peça, Joana Guedes, Ana Silvestre Cardoso, Ana Viegas, Elisabete Ferreiro
Instituição/*Institution:* Center for Neuroscience and Cell Biology, University of Coimbra (Portugal)
Duração/*Duration:* 2017/01 – 2020/09

Peer-reviewed publications

Guedes, J. R., Ferreira, P., Costa, J., Cardoso, A. L., & Peça, J. (2022). Microglia-dependent remodeling of neuronal circuits. *Journal of Neurochemistry, 163*(2), 74-93. doi:10.1111/jnc.15689

Costa, J., Martins, S., Ferreira, P., Cardoso, A. M. S., Guedes, J. R., Peça, J. M., & Cardoso, A. L. (2021). The old guard: age-related changes in microglia and their consequences. *Mechanisms of Ageing and Development, 19*: 111512. doi:10.1016/j.mad.2021.111512

Barros-Viegas, A. T., Carmona, V., Ferreiro, E., Guedes, G., Cunha, P., Pereira de Almeida, L., … Cardoso, A. L. (2020). MiRNA-31 improves cognition and abolishes amyloid-β pathology by targeting APP and BACE1 in an animal model of Alzheimer's disease. *Molecular Therapy - Nucleic Acids*, *19*, 1219-1236. doi:10.1016/j.omtn.2020.01.010

Franco, L. O., Carvalho, M. J., Costa, J., Ferreira, P. A., Guedes, J. R., Sousa, R., ... Peça, J. (2020). Social subordination induced by early life adversity rewires inhibitory control of the prefrontal cortex via enhanced Npy1r signaling. *Neuropsychopharmacology, 45*, 1438-1447. doi:10.1038/s41386-020-0727-7

266/16 – "Early life stress and social hierarchies: The role of cortico-striatal circuits"
Investigadores/*Researchers*: João Peça, Joana Guedes, Ana Luísa Cardoso, Mohammed Hussien, Lara Franco, Mário Carvalho
Instituição/*Institution*: Center for Neuroscience and Cell Biology, University of Coimbra (Portugal)
Duração/*Duration*: 2017/01 – 2021/01

Peer-reviewed publications

Guedes, J. R., Ferreira, P., Costa, J., Cardoso, A. L., & Peça, J. (2022). Microglia-dependent remodeling of neuronal circuits. *Journal of Neurochemistry.* doi:10.1111/jnc.15689

Rebelo, C., Reis, T., Guedes, J., Saraiva, C., Rodrigues, A. F., Simões, S., Bernardino, L., Peça. J., Pinho, S., & Ferreira, L. (2022). Efficient spatially targeted gene editing using a near-infrared activatable protein-conjugated nanoparticle for brain applications. *Nature Communications, 13*(1), 4135. doi:10.1038/s41467-022-31791-6

Ferreira-Fernandes, E. & Peça, J. (2022). The neural circuit architecture of social hierarchy in rodents and primates. *Frontiers in Cellular Neuroscience, 16*. doi:10.3389/fncel.2022.874310

Caldeira, G.L., Inácio, A.S., Beltrão, N., Barreto, C. A. V., Rodrigues, M. V., Rondão, T., Macedo, R., Gouveia, R. P., Edfawy, M., Guedes, J., Cruz, B., Louros, S. R., Moreira, I. S., Peça, J.,

& Carvalho, A. L. (2022). Aberrant hippocampal transmission and behavior in mice with a stargazin mutation linked to intellectual disability. *Molecular Psychiatry, 27,* 2457–2469. doi:10.1038/s41380-022-01487-w

Franco, L. O., Carvalho, M. J., Costa, J., Ferreira, P. A., Guedes, J. R., Sousa, R., ... Peça, J. (2020). Social subordination induced by early life adversity rewires inhibitory control of the prefrontal cortex via enhanced Npy1r signaling. *Neuropsychopharmacology, 45*, 1438-1447. doi:10.1038/s41386-020-0727-7

Edfawy, M., Guedes, J. R., Pereira, M. I., Laranjo, M., Carvalho, M. J., Caldeira, G., Gao, X., Ferreira, P. A., Wang, D., Cardoso, A. L., Feng, G., Carvalho, A. L., Peça, J. (2019). Abnormal mGluR-mediated synaptic plasticity and autism-like behaviors in Gprasp2 mutant mice. *Nature Communications, 10*, Article number: 1431. doi:10.1038/s41467-019-09382-9

279/16 – "Harnessing the power of closed-loop neuronal control to identify the circuit basis of decision making"
Investigadores/*Researchers*: Carlos Ribeiro, Pavel Itskov, Ana Paula Elias, Samuel Walker, José Moreira
Instituição/*Institution*: Champalimaud Centre for the Unknown, Lisboa (Portugal)
Duração/*Duration*: 2017/10 – 2020/01

Peer-reviewed publications

Münch, D., Ezra-Nevo, G., Francisco, A. P., Tastekin, I., & Ribeiro, C. (2020). Nutrient homeostasis - translating internal states to behavior. *Current Opinion in Neurobiology, 60*, 67–75. doi:10.1016/j.conb.2019.10.004

Moreira, J. M., Itskov, P. M., Goldschmidt, D., Baltazar, C., Steck, K., Tastekin, I., Walker, S. J., & Ribeiro, C. (2019). optoPAD, a closed-loop optogenetics system to study the circuit basis of feeding behaviors. *eLife,8*: e43924. doi:10.7554/eLife.43924

Sánchez-Alcañiz, J. A., Silbering, A. F., Croset, V., Zappia, G., Sivasubramaniam, A. K., Abuin, L., ... Benton, R. (2018). An expression atlas of variant ionotropic glutamate receptors identifies a molecular basis of carbonation sensing. *Nature Communications, 9*(1): 4252. doi:10.1038/s41467-018-06453-1

Steck, K., Walker, S. J., Itskov, P. M., Baltazar, C., Moreira, J.-M., & Ribeiro, C. (2018). Internal amino acid state modulates yeast taste neurons to support protein homeostasis in Drosophila. *ELife, 7*, e31625.

280/16 – "Probing the unconscious mind with instrumental hypnosis"
Investigadores/*Researchers*: Mathieu Landry, Jérôme Sackur, Amir Raz
Instituição/*Institution*: Laboratoire de Sciences Cognitives et Psycholinguistique, École Normale Supérieure, Paris (France); Raz Cognitive Neuroscience Lab, McGill University, Montreal (Canada)
Duração/*Duration*: 2018/06 – 2023/11

Peer-reviewed publications

Landry, M., Da Silva Castanheira, J., Milton, D., & Raz, A. (2022). Suggestion alters Stroop automaticity: Hypnotic alexia through a proactive lens. *Psychology of Consciousness: Theory, Research, and Practice, 9*(2), 159–171. doi:10.1037/cns0000268

Landry, M., Da Silva Castanheira, J., Sackur, J., & Raz, A. (2021). Difficult turned easy: Suggestions render a challenging visual task simple. *Psychological science, 32*(1), 39-49. doi:10.1177/0956797620954856

Landry, M., Stendel, M., Landry, M., & Raz, A. (2018). Hypnosis in palliative care: From clinical insights to the science of self-regulation. *Annals of Palliative Medicine, 7*(1), 125-135.

281/16 – "Motor Imagery in speech processing"
Investigadores/*Researchers*: Patricia Martine Adank, Helen Nuttall
Instituição/*Institution*: Speech Hearing and Phonetic Sciences, Division of Psychology and Language, UCL, London (UK); Department of Psychology, University of Lancaster (UK)
Duração/*Duration*: 2018/01 – 2020/04

Peer-reviewed publications

Maegherman, G., Nuttall, H. E., Devlin, J. T., & Adank, P. (2019). Motor imagery of speech: The involvement of primary motor cortex in manual and articulatory motor imagery. *Frontiers in Human Neuroscience, 13*:195. doi:10.3389/fnhum.2019.00195

286/16 – "Getting the aging brain to train: A working memory and neurostimulation approach"

Investigadores/*Researchers*: Adriana Sampaio, Ana Teixeira Santos, Sandra Carvalho, Jorge Leite, Ana Raquel Mesquita, Felipe Fregni

Instituição/*Institution*: Psychology Research Center (CIPsi), School of Psychology, University of Minho, Braga (Portugal); Spaulding-Labuschange Neuromodulation Center, Spaulding Rehabilitation Hospital & Massachusetts General Hospital/Harvard Medical School, Charlestown (USA)

Duração/*Duration*: 2017/06 – 2023/03

Peer-reviewed publications

Silva-Fernandes, A., Cruz, S., Moreira, C. S., Pereira, D. R., Sousa, S. S., Sampaio, A., & Carvalho, J. (2022). Processing speed mediates the association between physical activity and executive functioning in elderly adults. *Frontiers in Psychology, 13*, 958535. doi:10.3389/fpsyg.2022.958535

Teixeira-Santos, A. C., Moreira, C., Pereira, D., Pinal, D., Fregni, F., Leite, J., Carvalho, S. & Sampaio, A. (2022). Working memory training coupled with transcranial direct current stimulation in older adults: A randomized controlled experiment. *Frontiers in Aging Neuroscience, 14*, 827188. doi:10.3389/fnagi.2022.827188

Teixeira-Santos, A. C., Pinal, D., Pereira, D. R., Leite, J., Carvalho, S., & Sampaio, A. (2020). Probing the relationship between late endogenous ERP components with fluid intelligence in healthy older adults. *Scientific Reports, 10*: 11167. doi:10.1038/s41598-020-67924-4

Teixeira-Santos, A. C., Moreira, C. S., Magalhães, R., Magalhães, C., Pereira, D. R., Leite, J., Carvalho, S., & Sampaio, A. (2019). Reviewing working memory training gains in healthy older adults: A meta-analytic review of transfer for cognitive outcomes. *Neuroscience & Biobehavioral Reviews*, *103*, 163-177. doi:10.1016/j.neubiorev.2019.05.009

292/16 – "Oxytocin: On the psychophysiology of trust and cooperation"

Investigadores/*Researchers*: Diana Prata, James Rilling, Manuel Lopes, Duarte Ferreira, Daniel Martins, Pedro Levy

Instituição/*Institution*: FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências (Portugal); Emory University, Atlanta (USA)

Duração/*Duration*: 2017/10 – 2023/11

Peer-reviewed publications

Santiago, A. F., Kosilo, M., Cogoni, C., Diogo, V., Jerónimo, R., & Prata, D. (2024). Oxytocin modulates neural activity during early perceptual salience attribution. *Psychoneuroendocrinology, 161*, 106950. doi:10.1016/j.psyneuen.2023.106950

Cogoni, C., Fiuza, A., Hassanein, L., Antunes, M., & Prata, D. (2024). Computer anthropomorphisation in a socio-economic dilemma. *Behavior Research Methods, 56*(2), 667–679. doi:10.3758/s13428-023-02071-y

Cosme, G., Arriaga, P., Rosa, P. J., Mehta, M. A., & Prata, D. (2023). Temporal profile of intranasal oxytocin in the human autonomic nervous system at rest: An electrocardiography and pupillometry study. *Journal of Psychopharmacology, 37*(6), 566-576. doi:10.1177/02698811231158233

Santos, H. C., Rodrigues, A., Ferreira, S., Martins, J. M., Baptista, T., Gama Marques, J., Kirkpatrick, B., & Prata, D. (2024). The European Portuguese Version of the Brief Negative Symptom Scale. *Psychopathology, 57*(1), 76–80. doi:10.1159/000530705

Prata, D., & Silva, M. (2022). Neuroimaging genetics of oxytocin: A transcriptomics-informed systematic review. *Neuroscience & Biobehavioral Reviews, 142*, 104912. doi:10.1016/j.neubiorev.2022.104912

Diogo, V. S., Ferreira, H. A., Prata, D., & Alzheimer's Disease Neuroimaging Initiative (2022). Early diagnosis of Alzheimer's disease using machine learning: A multi-diagnostic, generalizable approach. *Alzheimer's Research & Therapy, 14*, 17. doi:10.1186/s13195-022-01047-y

Vouga Ribeiro, N., Tavares, V., Bramon, E., Toulopoulou, T., Valli, I., Shergill, S., Murray, R., & Prata, D. (2022). Effects of psychosis-associated genetic markers on brain volumetry: A systematic review of replicated findings and an independent validation. *Psychological Medicine, 52*(16), 3753-3768. doi:10.1017/S0033291722002896

Zelenina, M., Kosilo, M., da Cruz, J., Antunes, M., Figueiredo, P., Mehta, M. A., & Prata, D. (2022). Temporal dynamics of intranasal oxytocin in human brain electrophysiology. *Cerebral Cortex, 32*(14), 3110-3126. doi:10.1093/cercor/bhab404

Blest-Hopley, G., Colizzi, M., Prata, D., Giampietro, V., Brammer, M., McGuire, P., & Bhattacharyya, S. (2021). Epigenetic mediation of AKT1 rs1130233's effect on delta-9-tetrahydrocannabinol-induced medial temporal function during fear processing. *Brain Sciences, 11*(9):1240. doi:10.3390/brainsci11091240

Cosme, G., Rosa, P., Lima, C. F., Tavares, V., Scott, S., Chen, S., Wilcockson, T., Crawford, T., & Prata, D. (2021). Pupil dilation reflects the authenticity of received nonverbal vocalizations. *Scientific Reports, 11*: 3733. doi:10.1038/s41598-021-83070-x

Cosme, G., Tavares, V., Nobre, G., Lima, C., Sá, R., Rosa, P., & Prata, D. (2021). Cultural differences in vocal emotion recognition: a behavioural and skin conductance study in Portugal and Guinea-Bissau. *Psychological Research*. doi:10.1007/s00426-021-01498-2

Kosilo, M., Costa, M., Nuttall, H. E., Ferreira, H., Scott, S., Menéres, S., Pestana, J., Jerónimo, R., & Prata, D. (2021). The neural basis of authenticity recognition in laughter and crying. *Scientific Reports, 11*: 23750. doi:10.1038/s41598-021-03131-z

Tavares, V., Fernandes, L. A., Antunes, M., Ferreira, H., & Prata, D. (2021). Sex differences in functional connectivity between resting state brain networks in autism spectrum disorder. *Journal of Autism and Developmental Disorders*. doi:10.1007/s10803-021-05191-6

Tavares, V., Monteiro, J., Vassos, E., Coleman, J., & Prata, D. (2021). Evaluation of Genotype-Based Gene Expression Model Performance: A Cross-Framework and Cross-Dataset Study. *Genes, 12*(10), 1531. doi:10.3390/genes12101531

Neto, M. L., Antunes, M., Lopes, M., Ferreira, D., Rilling, J., & Prata, D. (2020). Oxytocin and vasopressin modulation of prisoner's dilemma strategies. *Journal of Psychopharmacology*. doi:doi:10.1177/0269881120913145

Simões, B., Vassos, E., Shergill, S., McDonald, C., Toulopoulou, T., Kalidindi, S., Kane, F., Murray, R., Bramon, E., Ferreira, H., & Prata, D. (2020). Schizophrenia polygenic risk score influence on white matter microstructure. *Journal of Psychiatric Research, 121*, 62-67. doi:10.1016/j.jpsychires.2019.11.011

Tavares, V., Prata, D., & Ferreira, H. A. (2019). Comparing SPM12 and CAT12 segmentation pipelines: a brain tissue volume-based age and Alzheimer's disease study. *Journal of Neuroscience Methods, 334*: 108565. doi:10.1016/j.jneumeth.2019.108565

296/16 – "Synaptic competition and cooperation in reward learning: The role of hippocampal and prefrontal inputs to the nucleus accumbens"

Investigadores/*Researchers*: Stephen Martin, Rosalina Fonseca

Instituição/*Institution*: Division of Neuroscience, School of Medicine, University of Dundee (UK); Centro de Estudos de Doenças Crónicas, NOVA Medical School, Faculdade de Ciências Médicas – Universidade NOVA de Lisboa (Portugal)

Duração/*Duration*: 2017/09 – 2021/11

Peer-reviewed publications

Sakae, D. Y., & Martin, S. J. (2019). Formation of a morphine-conditioned place preference does not change the size of evoked potentials in the ventral hippocampus-nucleus accumbens projection. *Scientific Reports, 9*: 5206. doi:10.1038/s41598-019-41568-5

298/16 – "Empowering feedback connections in temporo-occipital network to boost visual perception of emotions"

Investigadores/*Researchers*: Sara Borgomaneri, Marco Zanon, Alessio Avenanti, Caterina Bertini

Instituição/*Institution*: Center for studies and research in Cognitive Neuroscience, Department of Psychology, University of Bologna, Cesena (Italy)

Duração/*Duration*: 2017/09 – 2019/10

Peer-reviewed publications

Agnoli, S., Zanon, M., Mastria, S., Avenanti, A., & Corazza, G. E. (2019). Predicting response originality through brain activity: An analysis of changes in EEG alpha power during the generation of alternative ideas. *NeuroImage*. doi:10.1016/j.neuroimage.2019.116385

Avenanti, A., Paracampo, R., Annella, L., Tidoni, E., & Aglioti, S. M. (2018). Boosting and decreasing action prediction abilities through excitatory and inhibitory tDCS of inferior frontal cortex. *Cerebral Cortex, 28*(4), 1282-1296. doi:10.1093/cercor/bhx041

Chiappini, E., Silvanto, J., Hibbard, P. B., Avenanti, A., & Romei, V. (2018). Strengthening functionally specific neural pathways with transcranial brain stimulation. *Current Biology, 28*, R735-R736. doi.org/10.1016/j.cub.2018.05.083

Fiori, F., Chiappini, E., & Avenanti, A. (2018). Enhanced action performance following TMS manipulation of associative plasticity in ventral premotor-motor pathway. *Neuroimage, 183*, 847-858. doi:10.1016/j.neuroimage.2018.09.002

Gallo, S., Paracampo, R., Müller-Pinzler, L., Severo, M. C., Blömer, L., Fernandes-Henriques, C., ..., Gazzola, V. (2018). The causal role of the somatosensory cortex in prosocial behaviour. *Elife, 7*:e32740. doi:10.7554/eLife.32740

Paracampo, R., Pirruccio, M., Costa, M., Borgomaneri, S., & Avenanti, A. (2018). Visual, sensorimotor and cognitive routes to understanding others' enjoyment: An individual differences rTMS approach to empathic accuracy. *Neuropsychologia, 116*, Part A, 86-98. doi:10.1016/j.neuropsychologia.2018.01.043

Paracampo, R., Montemurro, M., de Vega, M., & Avenanti, A. (2018). Primary motor cortex crucial for action prediction: A tDCS study. *Cortex, 109*, 287-302. doi:10.1016/j.cortex.2018.09.019

Zanon, M., Borgomaneri, S., & Avenanti, A. (2018). Action-related dynamic changes in inferior frontal cortex effective connectivity: A TMS/EEG coregistration study. *Cortex, 108*, 193-209. doi:10.1016/j.cortex.2018.08.004

Bertossi, E., Peccenini, L., Solmi, A., Avenanti, A., & Ciaramelli, E. (2017). Transcranial direct current stimulation of the medial prefrontal cortex dampens mind-wandering in men. *Scientific Reports, 7*, Article number: 16962. doi:10.1038/s41598-017-17267-4

Borgomaneri, S., Vitale, F., & Avenanti, A. (2017). Behavioral inhibition system sensitivity enhances motor cortex suppression when watching fearful body expressions. *Brain Structure and Function, 222*(7), 3267-3282. doi:10.1007/s00429-017-1403-5

Fiori, F., Chiappini, E., Candidi, M., Romei, V., Borgomaneri, S., & Avenanti, A. (2017). Long-latency interhemispheric interactions between motor-related areas and the primary motor cortex: a dual site TMS study. *Scientific Reports, 7*, Article number: 14936. doi:10.1038/s41598-017-13708-2

Valchev, N., Tidoni, E., Hamilton, A. F. C., Gazzola, V., & Avenanti, A. (2017). Primary somatosensory cortex necessary for the perception of weight from other people's action: A continuous theta-burst TMS experiment. *NeuroImage, 152*, 195-206. doi:10.1016/j.neuroimage.2017.02.075

312/16 – "Mind-body interactions in writing (M-BW): Psychophysiological and linguistic synchronous correlates of expressive writing"

Investigadores/*Researchers*: Rui Alves, Teresa Limpo, Sara Costa, Ana Sousa, Mónica Moreira, José Leal

Instituição/*Institution*: Neurocognition and Language Research Group, Faculty of Psychology and Education Sciences of the University of Porto (Portugal); Faculty of Sciences of the University of Porto, (Portugal)

Duração/*Duration*: 2017/04 – 2020/09

Peer-reviewed publications

Jacques, T., Azzam, A. P., Costa, F., & Alves, R. A. (2023). Influence of Disclosure Topic and Linguistic Perspective on Expressive Writing. In: X. Liu, , M. Hebert & Alves, R. A. (Eds), *The Hitchhiker's Guide to Writing Research. Literacy Studies* (Vol 25, pp. 357–373). Springer, Cham. doi:10.1007/978-3-031-36472-3_19

Jacques, T., Alves, A. A., Fadaei, S., & Barbosa, F. (2020). Real-time psychophysiological and writing correlates of expressive writing. *Experimental Psychology, 67*(4), 237-245. doi:10.1027/1618-3169/a000495

Alves, R. A., Leal, J. P., & Limpo, T. (2019). Using HandSpy to study writing in real time: A comparison between low-and high-quality texts in grade 2. In E. Lindgren and K. P. H. Sullivan (Eds.), *Insights from Keystroke Logging and Handwriting* (pp. 50-70). Leiden: Brill.

Maia, M. I. & Leal, J. P. (2018). EmoSpell, a morphological and emotional word analyzer. *Information, 9*(1), 1-19. doi:10.3390/info9010001

329/16 – "Exploring the correlates and nature of subjective apparitional experiences"
Investigadores/*Researchers*: Christine Simmonds-Moore, Donadrian Rice, Chase O'Gwin
Instituição/*Institution*: Psychology Department, University of West Georgia, Carrollton (USA)
Duração/*Duration*: 2018/04 – 2020/06

Peer-reviewed publications

Simmonds-Moore, C. (2020). Synesthesia and the perception of unseen realities. *Journal of Humanistic Psychology*. doi:10.1177/0022167820918691

346/16 – "The mind possessed project: Mapping the varieties of possession experiences"
Investigadores/*Researchers*: Miguel Farias, Romara Delmonte
Instituição/*Institution*: Centre for Research in Psychology, Behaviour and Achievement, Coventry University (UK)
Duração/*Duration*: 2017/12 – 2022/11

Peer-reviewed publications

Delmonte, R., Farias, M., Bastos Junior, M. A. V., Madeira, L., & Sonego, B. (2022). The mind possessed: Well-being, personality, and cognitive characteristics of individuals regularly experiencing religious possession. *Brazilian Journal of Psychiatry,* doi:10.47626/1516-4446-2021-2414

"Characterization of "Near-Death Experiences" through the comparison of experiencers and non-experiencers' particularities: inter-individual differences in cognitive characteristics and susceptibility to false memories"
Investigador/*Researcher*: Steven Laureys, Charlotte Martial, Vanessa Charland-Verville, Héléna Cassol
Instituição/*Institution*: Coma Science Group, University of Liège (Belgium)
Duração/*Duration*: 2016/03 – 2019/03

Peer-reviewed publications

Cecconi, B., Montupil, J., Mortaheb, S., Panda, R., Sanders, R. D., Phillips, C., Alnagger, N., Remacle, E., Defresne, A., Boly, M., Bahri, M. A., Lamalle, L., Laureys, S., Gosseries, O., Bonhomme, V., & Annen, J. (2024). Study protocol: Cerebral characterization of sensory gating in disconnected dreaming states during propofol anesthesia using fMRI. *Frontiers in Neuroscience, 18*, 1306344. doi:10.3389/fnins.2024.1306344

Khosravi, M. H., Louras, M., Martens, G., Kaux, J. F., Thibaut, A., & Lejeune, N. (2024). A Scoping Review on the Use of Non-Invasive Brain Stimulation Techniques for Persistent Post-Concussive Symptoms. *Biomedicines, 12*(2), 450. doi:10.3390/biomedicines12020450

Li, Y., Chen, Y., Martial, C., Shen, M., Cassol, H., Yu, J., Zhou, X., Ni, C., Li, M., Hu, N., Gosseries, O., Laureys, S., & Di, H. (2024) Chinese translation and validation of the Near-Death Experience Content scale. *Frontiers in Psychiatry, 14*, 1201416. doi:10.3389/fpsyt.2023.1201416

Alnagger, N., Cardone, P., Martial, C., Laureys, S., Annen, J., & Gosseries, O. (2023). The current and future contribution of neuroimaging to the understanding of disorders of consciousness. *Presse Medicale, 52*(2), 104163. doi:10.1016/j.lpm.2022.104163

Assadzadeh, S., Annen, J., Sanz, L., Barra, A., Bonin, E., Thibaut, A., Boly, M., Laureys, S., Gosseries, O., & Robinson, P. A. (2023). Method for quantifying arousal and consciousness in healthy states and severe brain injury via EEG-based measures of corticothalamic physiology. *Journal of Neuroscience Methods, 398*, 109958. doi:10.1016/j.jneumeth.2023.109958

Assadzadeh, S., Annen, J., Sanz, L., Barra, A., Bonin, E., Thibaut, A., Boly, M., Laureys, S., Gosseries, O., & Robinson, P. A. (2023). Method for quantifying arousal and consciousness in healthy states and severe brain injury via EEG-based measures of corticothalamic physiology. *Journal of Neuroscience Methods, 398*, 109958. doi:10.1016/j.jneumeth.2023.109958

Cardone, P., Bodart, O., Kirsch, M., Sanfilippo, J., Virgillito, A., Martial, C., Simon, J., Wannez, S., Sanders, R. D., Laureys, S., Massimini, M., Vandewalle, G., Bonhomme, V., & Gosseries, O. (2023). Depth of sedation with dexmedetomidine increases transcranial magnetic stimulation-evoked potential amplitude non-linearly. *British Journal of Anaesthesia*, *131*(4), 715–725. doi:10.1016/j.bja.2023.05.030

Colombo, M. A., Comanducci, A., Casarotto, S., Derchi, C. C., Annen, J., Viganò, A., Mazza, A., Trimarchi, P. D., Boly, M., Fecchio, M., Bodart, O., Navarro, J., Laureys, S.,

Gosseries, O., Massimini, M., Sarasso, S., & Rosanova, M. (2023). Beyond alpha power: EEG spatial and spectral gradients robustly stratify disorders of consciousness. *Cerebral Cortex, 33*(11), 7193-7210. doi:10.1093/cercor/bhad031

Farisco, M., Formisano, R., Gosseries, O., Kato, Y., Koboyashi, S., Laureys, S., Lejeune, N., Martial, C., Matar, A., Morrisey, A. M., Schnakers, C., Yakufujiang, M., Yamaki, T., Veeramuthu, V., Zandalasini, M., Zasler, N., Magliacano, A., Estraneo, A., & IBIA Special Interest Group on DoCs (2024). International survey on the implementation of the European and American guidelines on disorders of consciousness. Journal of Neurology, 271(1), 395–407. doi:10.1007/s00415-023-11956-z

Ippoliti, C., Fadeur, M., Malherbe, C., De Flines, J., Verbrugge, A. M., Gosseries, O., Ledoux, D., Misset, B., Laureys, S., Paquot, N., & Thibaut, A. (2023). What is the nutritional status of patients with prolonged disorders of consciousness? A retrospective cross-sectional study. *Brain Injury, 37*(1), 54-62. doi:10.1080/02699052.2022.2145361

Martens, G., Khosravi, M. H., Lejeune, N., Kaux, J. F., & Thibaut, A. (2023). Gender specificities in sleep disturbances following mild traumatic bain injury: A preliminary study. *Brain Sciences, 13*(2), 323. doi:10.3390/brainsci13020323

Martial, C., Cassol, H., Slater, M., Bourdin, P., Mensen, A., Oliva, R., Laureys, S., & Núñez, P. (2023). Electroencephalographic Signature of Out-of-Body Experiences Induced by Virtual Reality: A Novel Methodological Approach. *Journal of cognitive neuroscience, 35*(9), 1410–1422. doi:10.1162/jocn_a_02011

Martial, C., Poirrier, A.-L., Pottier, L., Cassol, H., Mortaheb, S., Panda, R., Lopez, M., Perrin, T., Boilevin, A., Gosseries, O., & Laureys, S. (2023). From nose to brain: the effect of lemon inhalation observed by whole brain voxel to voxel functional connectivity. *Cortex*,*165*, 119–128. doi:10.1016/j.cortex.2023.04.012

Montupil, J., Cardone, P., Staquet, C., Bonhomme, A., Defresne, A., Martial, C., Alnagger, N. L. N., Gosseries, O., & Bonhomme, V. (2023). The nature of consciousness in anaesthesia. *BJA Open, 8*, 100224. doi:10.1016/j.bjao.2023.100224

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Perl, Y. S., Pallavicini, C., Piccinini, J., Demertzi, A., Bonhomme, V., Martial, C., Panda, R., Alnagger, N., Annen, J., Gosseries, O., Ibañez, A., Laufs, H., Sitt, J. D., Jirsa, V. K., Kringelbach, M. L., Laureys, S., Deco, G., & Tagliazucchi, E. (2023). Low-dimensional organization of global brain states of reduced consciousness. *Cell Reports, 42*(5), 112491. doi:10.1016/j.celrep.2023.112491

Radstake, W. E., Jillings, S., Laureys, S., Demertzi, A., Sunaert, S., Van Ombergen, A., & Wuyts, F. L. (2023). Neuroplasticity in F16 fighter jet pilots. *Frontiers in Physiology, 14*, 1082166. doi:10.3389/fphys.2023.1082166

Rousseau, A. F., Dams, L., Massart, Q., Choquer, L., Cassol, H., Laureys, S., Misset, B., Dardenne, N., Gosseries, O., & Martial, C. (2023). Incidence of near-death experiences in patients surviving a prolonged critical illness and their long-term impact: a prospective observational study. *Critical Care, 27*(1), 76. doi:10.1186/s13054-023-04348-2

Ruizhe, Z., Zengxin, Q., Aurore, T., Zhe, W., Zeyu, X., Haibo, D., Xuehai, W., Ying, M., & Laureys, S. (2023). Clinical application of neuromodulation therapy in patients with disorder of consciousness: A pooled analysis of 544 participants. *NeuroRehabilitation, 53*(4), 491-503. doi:10.3233/NRE-230103

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Thibaut, A., Fregni, F., Estraneo, A., Fiorenza, S., Noe, E., Llorens, R., Ferri, J., Formisano, R., Morone, G., Bender, A., Rosenfelder, M., Lamberti, G., Kodratyeva, E., Kondratyev, S., Legostaeva, L., Suponeva, N., Krewer, C., Müller, F., Dardenne, N., Jedidi, H., … IBIA DOC-SIG (2023). Sham-controlled randomized multicentre trial of transcranial direct

current stimulation for prolonged disorders of consciousness. *European Journal of Neurology*, *30*(10), 3016–3031. doi:10.1111/ene.15974

Vitello, M. M., Briand, M. M., Ledoux, D., Annen, J., El Tahry, R., Laureys, S., Martin, D., Gosseries, O., & Thibaut, A. (2023). Transcutaneous vagal nerve stimulation to treat disorders of consciousness: Protocol for a double-blind randomized controlled trial. *International Journal of Clinical and Health Psychology, 23*(2), 100360. doi:10.1016/j.ijchp.2022.100360

Vitello, M. M., Rosenfelder, M. J., Cardone, P., Niimi, M., Willacker, L., Thibaut, A., Lejeune, N., Laureys, S., Bender, A., & Gosseries, O. (2023). A protocol for a multicenter randomized and personalized controlled trial using rTMS in patients with disorders of consciousness. *Frontiers in Neurology, 14*, 1216468. doi:10.3389/fneur.2023.1216468

Wang, A., Sun, L., Cheng, L., Hu, N., Chen, Y., Sanz, L. R. D., Thibaut, A., Gosseries, O., Martial, C., & Di, H. (2023). Validation of the simplified evaluation of consciousness disorders (SECONDs) scale in Mandarin. *Annals of Physical and Rehabilitation Medicine, 66*(7), 101764. doi:10.1016/j.rehab.2023.101764

Van der Lande, G. J. M., Blume, C., & Annen, J. (2022). Sleep and circadian disturbance in disorders of consciousness: Current methods and the way twoards clinical implementation. *Seminars in Neurology, 42*(03), 283-298. doi:10.1055/a-1893-2785

Mat, B., Sanz, L., Arzi, A., Boly, M., Laureys, S., & Gosseries, O. (2022). New behavioral signs of consciousness in patients with severe brain injuries. *Seminars in Neurology, 42*(03), 259-272. doi:10.1055/a-1883-0861

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Charland-Verville, V., Martial, C., Cassol, H., & Laureys, S. (2017). Near-death experiences: actual considerations. In C. Schnakers & S. Laureys (Eds.), *Coma and Disorders of Consciousness* (2nd ed.) (pp. 235-263). Cham, Switzerland: Springer International Publishing AG. doi:10.1007/978-3-319-55964-3

Di Perri, C., Amico, E., Heine, L., Annen, J., Martial, C., Larroque, S., Soddu, A., Marinazzo, D. & Laureys, S. (2017). Multifaceted brain networks reconfiguration in disorders of consciousness uncovered by co-activation patterns. *Human Brain Mapping, 39*, 89–103.

Martens, G., Fregni, F., Carrière, M., Barra, A., Laureys, S., & Thibaut, A. (2019). Single tDCS session of motor cortex in patients with disorders of consciousness: A pilot study. *Brain Injury*. doi:10.1080/02699052.2019.1667537

Martens, G., Laureys, S., & Thibaut, A. (2017). Spasticity Management in Disorders of Consciousness. *Brain Sciences, 7*, 162; doi:10.3390/brainsci7120162

Martial, C., Cassol, H., Antonopoulos, G., Charlier, T., Heros, J., Donneau, A. F., Charland-Verville, V., Laureys, S. (2017). Temporality of features in near-death experience narratives. *Frontiers in Human Neurosciences,11*: 311. doi:10.3389/fnhum.2017.00311

Martial, C., Charland-Verville, V., Cassol, H., Didone, V., Van Der Linden, M., & Laureys, S. (2017). Intensity and memory characteristics of near-death experiences. *Consciousness and Cognition, 56*, 120-127. doi:10.1016/j.concog.2017.06.018.

Wannez, S., Heine, L., Thonnard, M., Gosseries, O., Laureys, S., & Coma Science Group collaborators (2017). The repetition of behavioral assessments in disorders of consciousness. *Annals of Neurology, 81*(6), 883-889.

Wannez, S., Vanhaudenhuyse, A., Laureys, S., & Brédart, S. (2017). Mirror efficiency in the assessment of visual pursuit in patients in minimally conscious state. *Brain Injury, 31*(11), 1429-1435. doi:10.1080/02699052.2017.1376755

Van Ombergen, A., Wuyts, F. L., Jeurissen, B., Sijbers, J., Vanhevel, F., Jillings, S., Parizel, P. M., Sunaert, S., Van de Heyning, P. H., Dousset, V., Laureys, S., & Demertzi, A. (2017). Intrinsic functional connectivity reduces after first-time exposure to short-term gravitational alterations induced by parabolic flight. *Scientific reports, 7*(1), 3061. doi:10.1038/s41598-017-03170-5

Publicações revistas por pares – Apoios à Investigação Científica 2018/19
Peer-reviewed publications – Grant for Scientific Research 2018/19

02/18 – "Neurobiological effects of Lourdes water: An fMRI study"
Investigadores/*Researchers*: Anne Schienle, Albert Wabnegger
Instituição/*Institution*: Clinical Psychology, University of Graz (Austria)
Duração/*Duration*: 2019/01 – 2021/09

Peer-reviewed publications

Schienle, A., Gremsl, A., & Wabnegger, A. (2021). Placebo effects in the context of religious beliefs and practices: A resting-state functional connectivity study. *Frontiers in Behavioral Neuroscience, 15*: 653359. doi:10.3389/fnbeh.2021.653359

Schienle, A., Höfler, C., & Wabnegger, A. (2020). Belief in the miracles of Lourdes: A voxel-based morphometry study. *Brain and Behavior, 10*(1): e01481. doi:10.1002/brb3.1481

13/18 – "Biological bases of music cognition"
Investigadores/*Researchers*: Juan Manuel Toro, Paola Crespo-Bojorque, Alexandre Celma-Miralles, Carlota Pagés
Instituição/*Institution*: Center for Brain and Cogntion, University Pompeu Fabra, Barcelona (Spain)
Duração/*Duration*: 2019/03 – 2021/10

Peer-reviewed publications

Crespo-Bojorque, P., Celma-Miralles, A., & Toro, J. (2022). Detecting surface changes in a familiar tune: exploring pitch, tempo and timbre. *Animal Cognition,* doi:10.1007/s10071-022-01604-w

Pagès-Portabella, C., Bertolo, M., & Toro, J. M. (2021). Neural correlates of acoustic dissonance in music: The role of musicianship, schematic and veridical expectations. *PLoS ONE, 16*(12): e0260728. doi:10.1371/journal.pone.0260728

Celma-Miralles, A., & Toro, J. M. (2020). Non-human animals detect the rhythmic structure of a familiar tune. *Psychonomic Bulletin & Review, 27*, 694-699. doi:10.3758/s13423-020-01739-2

Pagès-Portabella, C., & Toro, J. M. (2019). Dissonant endings of chord progressions elicit a larger ERAN than ambiguous endings in musicians. *Psychophysiology, 57*(2), e13476. doi:10.1111/psyp.13476

16/18 – "The psychology and parapsychology of spiritual emergency"
Investigadores/*Researchers*: Lance Storm, Monika Goretzki
Instituição/*Institution*: School of Psychology, University of Adelaide (Australia)
Duração/*Duration*: 2019/03 – 2021/09

Peer-reviewed publications

Storm, L., & Goretzki, M. (2021). The psychology and parapsychology of spiritual emergency. *Journal of Scientific Exploration, 35*(1), 36-64. doi:10.31275/20211889

20/18 – "Perceptual-personality variables associated with anomalous experiences vs paranormal attributions"
Investigadores/*Researchers*: Rense Lange, James Houran
Instituição/*Institution*: Integrated Knowledge Systems - IKS, Chatham (USA); ISLA - Instituto Politécnico de Gestão e Tecnologia, Vila Nova de Gaia (Portugal)
Duração/*Duration*: 2019/02 – 2021/04

Peer-reviewed publications

Houran, J., Lange, R., & Laythe, B. (2020). Understanding consumer enchantment via paranormal tourism: Part II - Preliminary rasch validation. *Cornell Hospitality Quarterly*. doi:10.1177/1938965520971276

Lange, R., Houran, J., Sheridan, L., Dagnall, N., Drinkwater, K., O'Keeffe, C., & Laythe, B. (2020). Haunted people syndrome revisited: empirical parallels between subjective paranormal episodes and group-stalking accounts. *Mental Health, Religion & Culture*. doi:10.1080/13674676.2020.1767552

Lange, R., Ross, R. M., Dagnall, N., Irwin, H. J., Houran, J., & Drinkwater, K. (2019). Anomalous experiences and paranormal attributions: Psychometric challenges in studying their measurement and relationship. *Psychology of Consciousness: Theory, Research, and Practice*, 6, 346-358. doi:10.1037/cns0000187

29/18 – "Mind-matter practical applications"
Investigadores/*Researchers*: Patrizio Tressoldi, Luciano Pederzoli, Marco Bilucaglia
Instituição/*Institution*: EvanLab, Firenze (Italy); Dipartimento di Psicologia Generale, Università di Padova (Italy)
Duração/*Duration*: 2019/01 – 2021/02

Peer-reviewed publications

Pederzoli, L., Bilucaglia, M., Prati, E., Matteoli, M., & Tressoldi, P. (2022). A pilot study of distant "mind-matter" interaction with digital photography. *Journal of Parapsychology, 86*(1), 125-134. doi:10.30891/jopar.2022.01.06

Tressoldi, P., Pederzoli, L., Prati, E., & Semenzato, L. (2020). Mind control of a distant electronic device: A proof-of-concept pre-registered study. *Journal of Scientific Exploration, 34*(2), 233-245. doi:10.31275/2020/1573

37/18 – "Decoding the neuron-astrocyte dialogue that supports cognitive processing"
Investigadores/*Researchers*: João Filipe Oliveira, Luísa Pinto, Diana Nascimento, Sónia Gomes, Inês Caetano, João Viana, João Luís Machado, Daniela Sofia Abreu, Sara Barsanti
Instituição/*Institution*: Life and Health Sciences Research Institute - ICVS, Universidade do Minho, Braga (Portugal)
Duração prevista/*Estimated duration*: 2019/03 – 2024/04

Peer-reviewed publications

Viana, J. F., Machado, J. L., Abreu, D. S., Veiga, A., Barsanti, S., Tavares, G., Martins, M., Sardinha, V. M., Guerra-Gomes, S., Domingos, C., Pauletti, A., Wahis, J., Liu, C., Calì, C., Henneberger, C., Holt, M. G., & Oliveira, J. F. (2023). Astrocyte structural heterogeneity in the mouse hippocampus. *Glia*, *71*(7), 1667–1682. doi:10.1002/glia.24362

Oliveira, J. F. & Araque, A. (2022). Astrocyte regulation of neural circuit activity and network states. *Glia, 70*(8), 1455-1466. doi:10.1002/glia.24178

Machado-Santos, A. R., Loureiro-Campos, E., Patrício, P., Araújo, B., Alves, N., Mateus-Pinheiro, A., Correia, J., Morais, M., Bessa, J., Sousa, N., Rodrigues, A., Oliveira, J., & Pinto, L. (2022). Beyond new neurons in the adult hippocampus: Imipramine acts as a pro-astrogliogenic factor and rescues cognitive impairments induced by stress exposure. *Cells, 11*(3), 390-. doi:10.3390/cells11030390

Canedo, T., Portugal, C. C., Socodato, R., Almeida, T., Terceiro, A., Bravo, J., Silva, A., Magalhães, J., Guerra-Gomes, S., Oliveira, J. F., Sousa, N., Magalhães, A., Relvas, J., & Summavielle, T. (2021). Astrocyte-derived TNF and glutamate critically modulate microglia activation by methamphetamine. *Neuropsychopharmacology*. doi:10.1038/s41386-021-01139-7

Loureiro-Campos, E., Mateus-Pinheiro, A., Patrício, P., Soares-Cunha, C., Silva, J., Sardinha, V. M., Mendes-Pinheiro, B., Silveira-Rosa, T., Domingues, A. V., Rodrigues, A. J., Oliveira, J., Sousa, N., Alves, N. D., & Pinto, L. (2021). Constitutive deficiency of the neurogenic hippocampal modulator AP2y promotes anxiety-like behavior and cumulative memory deficits in mice from juvenile to adult periods. *eLife, 10*: e70685. doi:10.7554/eLife.70685

Campos, J., Guerra-Gomes, S., Serra, S. C., Baltazar, G., Oliveira, J. F., Teixeira, F. G., & Salgado, A. J. (2020). Astrocyte signaling impacts the effects of human bone marrow mesenchymal stem cells secretome application into the hippocampus: A proliferation and morphometrical analysis on astrocytic cell populations. *Brain Research, 1732*: 146700. doi:10.1016/j.brainres.2020.146700

Guerra-Gomes, S., Cunha-Garcia, D., Marques Nascimento, D. S., Duarte-Silva, S., Loureiro-Campos, E., Morais Sardinha, V., ... Oliveira, J. F. (2020). IP3R2 null mice display a normal acquisition of somatic and neurological development milestones. *European Journal of Neuroscience*. doi:10.1111/ejn.14724

Falcón-Moya, R., Pérez-Rodríguez, M., Prius-Mengual, J., Andrade-Talavera, Y., Arroyo-García, L. E., Pérez-Artés, R., ..., Rodríguez-Moreno, A. (2020). Astrocyte-mediated switch in spike timing-dependent plasticity during hippocampal development. *Nature Communications, 11*, Article number: 4388. doi:10.1038/s41467-020-18024-4

Rodrigues, J. A., Pimenta, S., Pereira, J. P., Gomes, N. M., Souto, M. R., Fernandes, H. C., … Correia, J. H. (2020). Low-cost silicon neural probe: fabrication, electrochemical characterization and in vivo validation. *Microsystem Technologies*. doi:10.1007/s00542-020-04898-3

50/18 – "Changes in the temporal width of the present moment after meditation"
Investigadores/*Researchers*: Marc Wittmann, Stefan Schmidt, Karin Meissner
Instituição/*Institution*: Institute for Frontier Areas of Psychology and Mental Health, Freiburg (Germany); University Clinic Freiburg (Germany); Coburg University of Applied Sciences (Germany)
Duração/*Duration*: 2019/07 – 2022/09

Peer-reviewed publications

Linares Gutiérrez, D., Schmidt, S., Meissner, K., & Wittmann, M. (2022). Changes in subjective time and self during meditation. *Biology, 11*(8), 1116. doi:10.3390/biology11081116

52/18 – "Can EEG neurofeedback of theta during consolidation enhance episodic memory?"
Investigador/*Researcher*: Lisa Evans
Instituição/*Institution*: Cardiff University Brain Research Imaging Centre - CUBRIC, School of Psychology, Cardiff University (UK)
Duração/*Duration*: 2019/10 – 2024/01

Peer-reviewed publications

Jackson, L. E., Han, Y. J., & Evans, L. H. (2023). The efficacy of electroencephalography neurofeedback for enhancing episodic memory in healthy and clinical participants: A systematic qualitative review and meta-analysis. *Neuroscience and Biobehavioral Reviews*, *155*, 105455. doi:10.1016/j.neubiorev.2023.105455

67/18 – "Electrophysiological correlates of size-distance integration"
Investigador/*Researcher*: Irene Sperandio, Louis Renoult
Instituição/*Institution*: Department of Psychology and Cognitive Science, University of Trento, Rovereto (Italy)
Duração prevista/*Estimated duration*: 2020/11 – 2024/04

Peer-reviewed publications

Noviello, S., Kamari Songhorabadi, S., Deng, Z., Zheng, C., Chen, J., Pisani, A., Franchin, E., Pierotti, E., Tonolli, E., Monaco, S., Renoult, L., & Sperandio, I. (2024). Temporal features of size constancy for perception and action in a real-world setting: A combined EEG-kinematics study. *Neuropsychologia, 193*, 108746. doi:10.1016/j.neuropsychologia.2023.108746

68/18 – "Investigating biochemical mechanisms underlying mind-matter interactions: Effect of intention on human stem cell properties via cryptochrome"
Investigadores/*Researchers*: Yung-Jong Shiah, George T.-J. Huang
Instituição/*Institution*: Graduate Institute of Counseling Psychology and Rehabilitation Counseling, National Kaohsiung Normal University, Kaohsiung, Taiwan (China); University of Tennessee Health Science Center, Memphis (USA)
Duração/*Duration*: 2019/03 – 2023/03

Peer-reviewed publications

Shiah, Y. J., Shan, L., Radin, D. I., & Huang, G. T. (2022). Effects of intentionally treated water on the growth of mesenchymal stem cells: An exploratory study. *Explore: The Journal of Science & Healing, 18*(6), 663-669. doi:10.1016/j.explore.2021.11.007

71/18 – "Explaining autonomous sensory meridian response"
Investigadores/*Researchers*: Michael Banissy, Thomas Swart
Instituição/*Institution*: Department of Psychology, Goldsmiths, University of London (UK)
Duração/*Duration*: 2019/01 – 2023/02

Peer-reviewed publications

Swart, T. R., Banissy, M. J., Hein, T., Bruña, R., Pereda, E., & Bhattacharya, J. (2022) ASMR amplifies low frequency and reduces high frequency oscillations. *Cortex, 148*, 85-100. doi:10.1016/j.cortex.2022.01.004

Swart, T. R., Bowling, N. C., & Banissy, M. J. (2022). ASMR-Experience Questionnaire (AEQ): A data-driven step towards accurately classifying ASMR responders. *British Journal of Psychology, 113*(1), 68-83. doi:10.1111/bjop.12516

72/18 – "Temperamental influences on social cognition under stress"
Investigadores/*Researchers*: Frederike Beyer, Ulrike Krämer
Instituição/*Institution*: Psychology Department, School of Biological and Chemical Sciences, Queen Mary University of London (UK); Department of Neurology, University of Lubeck (Germany)
Duração/*Duration*: 2019/02 – 2021/09

Peer-reviewed publications

Kähkönen, J. E., Krämer, U. M., Buades-Rotger, M., & Beyer, F. (2021). Regulating interpersonal stress: the link between heart-rate variability, physical exercise and social perspective taking under stress. *Stress*. doi:10.1080/10253890.2021.1907339

82/18 – "Neuropsychological and cognitive-perceptual characteristics of mediums and psychics"
Investigador/*Researcher*: Ken Drinkwater
Instituição/*Institution*: Health, Psychology and Communities, Manchester Metropolitan University (UK)
Duração/*Duration*: 2019/09 – 2023/07

Peer-reviewed publications

Drinkwater, K., Dagnall, N., Walsh, S., Sproson, L., Peverell, M. & Denovan, A. (2022). Self-ascribed paranormal ability: Reflexive thematic analysis. *Frontiers in Psychology, 13,* 845283. doi:10.3389/fpsyg.2022.845283

Drinkwater, K. G., Dagnall, N., Denovan, A., Parker, A., & Escolà-Gascón, Á. (2022). Paranormal experience profiles and their association with variations in executive Functions: A latent profile analysis. *Frontiers in Psychology, 12*, 778312. doi:10.3389/fpsyg.2021.778312

Drinkwater, K.G., Dagnall, N., Denovan, A., Parker, A., & Escolà-Gascón, Á. (2021) Executive functioning: Assessing the role of perceived paranormal ability. *Frontiers in Psychology, 12*, 798283. doi:10.3389/fpsyg.2021.798283

Drinkwater, K. G., Dagnall, N., Denovan, A., & Williams C. (2021) Differences in cognitive-perceptual factors arising from variations in self-professed paranormal ability. *Frontiers in Psychology, 12*, 681520. doi:10.3389/fpsyg.2021.681520

Drinkwater, K. G., Dagnall, N., Denovan, A., & Williams, C. (2021) Paranormal belief, thinking style and delusion formation: A latent profile analysis of within-individual variations in experience-based paranormal facets. *Frontiers in Psychology, 12*, 670959. doi:10.3389/fpsyg.2021.670959

Drinkwater, K. G., Denovan, A., & Dagnall, N. (2020). Lucid dreaming, nightmares, and sleep paralysis: Associations with reality testing deficits and paranormal experience/belief. *Frontiers in Psychology, 11*, 471. doi:10.3389/fpsyg.2020.00471

85/18 – "Role of NT3/TrkC in the regulation of fear"
Investigador/*Researcher*: Mónica Santos
Instituição/*Institution*: Center for Neuroscience and Cell Biology, University of Coimbra (Portugal)
Duração/*Duration*: 2019/03 – 2023/07

Peer-reviewed publications

Masella, G., Silva, F., Corti, E., Azkona, G., Madeira, M. F., Tomé, Â. R., Ferreira, S. G., Cunha, R. A., Duarte, C. B., & Santos, M. (2024). The amygdala NT3-TrkC pathway underlies inter-individual differences in fear extinction and related synaptic plasticity. *Molecular Psychiatry*, 10.1038/s41380-024-02412-z. Advance online publication. doi:10.1038/s41380-024-02412-z

Silva, F., Masella, G., Madeira, M. F., Duarte, C. B., & Santos, M. (2023). TrkC Intracellular Signalling in the Brain Fear Network During the Formation of a Contextual Fear Memory. *Molecular Neurobiology, 60*(6), 3507–3521. doi:10.1007/s12035-023-03292-0

Martínez-Rodríguez, E., Martín-Sánchez, A., Kul, E., Bose, A., Martínez-Martínez, F. J., Stork, O., ... Agustín-Pavón, C. (2020). Male-specific features are reduced in Mecp2-null mice: Analyses of vasopressinergic innervation, pheromone production and social behaviour. *Brain Structure and Function, 225*(7), 2219-2238. doi:10.1007/s00429-020-02122-6

89/18 – "National survey of "Cases of Reincarnation Type" in Brazil"
Investigadores/*Researchers*: Alexander Moreira-Almeida, Jim Tucker, Lucam Moraes, Sandra Carvalho
Instituição/*Institution*: Research Center in Spirituality and Health - NUPES, School of Medicine, Federal University of Juiz de Fora – UFJF (Brazil); Division of Perceptual Studies - DOPS, School of Medicine, University of Virginia, Charlottesville (USA)
Duração prevista/*Estimated duration*: 2019/04 – 2024/04

Peer-reviewed publications

Moreira-Almeida, A., de Abreu Costa, M., & Schubert Coelho, H. (2022). *Science of Life After Death*. Cham, Switzerland: Springer. doi:10.1007/978-3-031-06056-4

Moraes, L. J., Barbosa, G. S., Castro, J. P., Tucker, J., & Moreira-Almeida, A. (2021). Academic studies on claimed past-life memories: A scoping review. *Explore: The Journal of Science and Healing*. doi:10.1016/j.explore.2021.05.006

Moraes, L. J., & Moreira-Almeida, A. (2020). A comprehensive academic review of reincarnation research. *Journal of Parapsychology, 84*(2), 311-315. doi:10.30891/jopar.2020.02.13

92/18 – "Attending mindfully: A psychophysiology study of sensory processing in meditators"
Investigadores/*Researchers*: Veena Kumari, Rakesh Pandey
Instituição/*Institution*: Centre for Cognitive Neuroscience, Department of Life Sciences, Brunel University London, Uxbridge (UK); Department of Psychology, Banaras Hindu University, Varanasi (India)
Duração prevista/*Estimated duration*: 2019/04 – 2024/04

Peer-reviewed publications

Kumari, V., Antonova, E., Mahmood, S., Shukla, M., Saifullah, A., & Pandey, R. (2023). Dispositional mindfulness, alexithymia and sensory processing: Emerging insights from habituation of the acoustic startle reflex response. *International Journal of Psychophysiology, 184*, 20–27. doi:10.1016/j.ijpsycho.2022.12.002

Pandey, R., Mandal, S. P., Shukla, M., Tripathi, V., Antonova, E., & Kumari, V. (2023). Attenuated maladaptive emotion processing as a potential mediator of the relationship between dispositional mindfulness and mental health. *Heliyon, 9*(11), e21934. doi:10.1016/j.heliyon.2023.e21934

Antonova, E., Schlosser, K., Pandey, R., & Kumari, V. (2021). Coping with COVID-19: Mindfulness-based approaches for mitigating mental health crisis. *Frontiers in Psychiatry, 12*: 563417. doi:10.3389/fpsyt.2021.563417

93/18 – "Meditation-induced neuroplasticity of the embodied-self and its role in social processing"
Investigador/*Researcher*: Aviva Berkovich-Ohana
Instituição/*Institution*: The Edmond J. Safra Brain Research Center, University of Haifa (Israel); Gonda Multidisciplinary Brain Research Center, Bar-Ilan University (Israel)
Duração/*Duration*: 2019/02 – 2021/09

Peer-reviewed publications

Shemesh, L., Mendelsohn, A., Panitz, D., & Berkovich-Ohana, A. (2022). Enhanced declarative memory in long-term mindfulness practitioners. *Psychological Research, 87*(1), 294-307. doi:10.1007/s00426-022-01642-6

David, A., Rubinsten, O., & Berkovich-Ohana, A. (2021). Math anxiety, self-centeredness, and dispositional mindfulness. *Journal of Educational Psychology*, *114(2),* 393-407. doi:10.1037/edu0000550

Nave, O., Trautwein, F.-M., Ataria, Y., Dor-Ziderman, Y., Schweitzer, Y., Fulder, S., & Berkovich-Ohana, A. (2021). Self-boundary dissolution in meditation: A phenomenological investigation. *Brain Research, 11*(6), 819. doi:10.3390/brainsci11060819

Berkovich-Ohana, A., Dor-Ziderman, Y., Trautwein, F.-M., Schweitzer, Y., Nave, O., Fulder, S., & Ataria, Y. (2020). The hitchhiker's guide to neurophenomenology - The case of studying self-boundaries with meditators. *Frontiers in Psychology, 11*:1680. doi:10.3389/fpsyg.2020.01680

101/18 – "Hypnosis and cognition: Neural basis of hypnotic suggestion on executive functions and perceptual awareness"
Investigadores/*Researchers*: Rinaldo Livio Perri, Francesco Di Russo, Enrico Facco
Instituição/*Institution*: Faculty of Psychology, University Niccolò Cusano, Rome (Italy); Cognitive Neuroscience of Action lab, University Foro Italico, Rome (Italy)
Duração/*Duration*: 2019/03 – 2021/01

Peer-reviewed publications

Perri, R. L., Bianco, V., Facco, E., & Di Russo, F. (2021) Now you see one letter, now you see meaningless symbols: Perceptual and semantic hypnotic suggestions reduce stroop errors through different neurocognitive mechanisms. *Frontiers in Neuroscience, 14*: 600083. doi:10.3389/fnins.2020.600083

Perri, R. L., Facco, E., Quinzi, F., Bianco, V., Berchicci, M., Rossani, F., & Di Russo, F. (2020). Cerebral mechanisms of hypnotic hypoesthesia. An ERP investigation on the expectancy stage of perception. *Psychophysiology*. doi:10.1111/psyp.13657

Perri, R. L., Rossani, F., & Di Russo, F. (2019). Neuroelectric evidences of top-down hypnotic modulation associated with somatosensory processing of sensory and limbic regions. *Neuroimage, 202*, 116104. doi:10.1016/j.neuroimage.2019.116104

104/18 – "Effect of mindfulness on EEG brain activity for cognitive and psychological well-being in the elderly"
Investigadores/*Researchers*: Samantha Galluzzi, Davide Moretti, Mariangela Lanfredi, Laura Pedrini, Roberta Rossi
Instituição/*Institution*: IRCCS Istituto Centro San Giovanni di Dio Fatebenefratelli, Brescia (Italy)
Duração/*Duration*: 2019/02 – 2024/01

Peer-reviewed publications

Galluzzi, S., Lanfredi, M., Moretti, D. V., Rossi, R., Meloni, S., Tomasoni, E., Frisoni, G. B., Chiesa, A., & Pievani, M. (2024). Cognitive, psychological, and physiological effects of a web-based mindfulness intervention in older adults during the COVID-19 pandemic: an open study. *BMC geriatrics, 24*(1), 151. doi:10.1186/s12877-024-04766-z

106/18 – "How does consciousness work in real life?"
Investigadores/*Researchers*: Adrià Tauste Campo, Rodrigo Quian-Quiroga
Instituição/*Institution*: Center for Brain and Cognition, University Pompeu Fabra, Barcelona (Spain)
Duração/*Duration*: 2019/02 – 2022/11

Peer-reviewed publications

Vila-Vidal, M., Khawaja, M., Carreño, M., Roldán, P., Rumià, J., Donaire, A., Deco, G., & Tauste Campo, A. (2023). Assessing the coupling between local neural activity and global

connectivity fluctuations: Application to human intracranial electroencephalography during a cognitive task. *Human Brain Mapping, 44*(3), 1173-1192. doi:10.1002/hbm.26150

Tauste Campo, A. (2020). Inferring neural information flow from spiking data. *Computational and Structural Biotechnology Journal, 18*, 2699-2708. doi:10.1016/j.csbj.2020.09.007

110/18 – "A randomized trial: Extraordinary experiences and performance on psi tasks related to meditation"
Investigador/*Researcher*: Jennifer Penberthy, Marieta Pehlivanova, Elizabeth Hanchak, Leslie Hubbard
Instituição/*Institution*: Division of Perceptual Studies - DOPS, School of Medicine, University of Virginia, Charlottesville (USA)
Duração/*Duration*: 2020/05 – 2024/01

Peer-reviewed publications

Penberthy, J. K., Garcia Claro, H., Kalelioglu, T., Centeno, C., Ladoni, A., Ragone, E., Rowley, C., & Hanchak, E. (2024, in press). The impact of meditation versus exercise on psychological characteristics, paranormal experiences, and beliefs: Randomized trial. *Journal of Scientific Exploration.*

111/18 – "Does rhythm emhance recognition memory? Evidence from behaviour and electroencephalogy"
Investigador/*Researcher*: Emma Ward, Alexander Jones, Jon Silas, Wayne Anderson
Instituição/*Institution*: The Behavioural, Affective, and Cognitive Neuroscience research group – BACneuro, Psychology Department, Middlesex University, London (UK)
Duração/*Duration*: 2019/03 – 2021/04

Peer-reviewed publications

Jones, A., Silas, J., Anderson, W., & Ward. E. V. (2023). Null effects of temporal prediction on recognition memory but evidence for differential neural activity at encoding. A registered report. *Cortex, 169,* 130–145. doi:10.1016/j.cortex.2023.09.006

Jones, A., Ward, E., Csiszer, E., & Szymczak, J. (2022). Temporal expectation improves recognition memory for spatially attended objects. *Journal of Cognitive Neuroscience, 34*(9), 1616-1629. doi:10.1162/jocn_a_01872

113/18 – "Psi in everyday social interaction"
Investigador/*Researcher*: Robin Wooffitt
Instituição/*Institution*: Anomalous Experiences Research Unit, Department of Sociology, University of York (UK)
Duração/*Duration*: 2019/03 – 2021/04

Peer-reviewed publications

Wooffitt, R., Fuentes-Calle, A., & Campbell, R. (2020). Small stories with big implications Identity, relationality and aesthetics in accounts of enigmatic communication. *Narrative Inquiry.* doi:10.1075/ni.20013.woo

117/18 – "The neuronal basis of biases"
Investigadores/*Researchers*: Rubén Moreno-Bote, Roozbeh Kiani
Instituição/*Institution*: Center for Brain and Cognition, Department of Technologies of Information and Communications, Universitat Pompeu Fabra, Barcelona (Spain); Center for Neural Science, New York University (USA)
Duração/*Duration*: 2019/01 – 2021/04

Peer-reviewed publications

da Fonseca, M., Maffei, G., Moreno-Bote, R., & Hyafil, A. (2023). Mood and implicit confidence independently fluctuate at different time scales. *Cognitive, Affective & Behavioral Neuroscience, 23*(1), 142–161. doi:10.3758/s13415-022-01038-4

Ozbagci, D., Moreno-Bote, R., & Soto-Faraco, S. (2021). The dynamics of decision-making and action during active sampling. *Scientific Reports, 11*(1), 23067. doi:10.1038/s41598-021-02595-3

Mochol, G., Kiani, R., & Moreno-Bote, R. (2021). Prefrontal cortex represents heuristics that shape choice bias and its integration into future behavior. *Current Biology, 31*(6), 1234-1244. doi:10.1016/j.cub.2021.01.068

125/18 – "Distinct psychophysiological profiles associated with experiencing the pain of others"
Investigadores/*Researchers*: Jamie Ward, Mengze Li
Instituição/*Institution*: School of Psychology, University of Sussex (UK)
Duração/*Duration*: 2019/03 – 2024/03

Peer-reviewed publications

Li, M., Racey, C., Rae, C. L., Strawson, W., Critchley, H. D., & Ward, J. (2024). Can the Neural Representation of Physical Pain Predict Empathy for Pain in Others? *Social Cognitive and Affective Neuroscience*, nsae023. Advance online publication. doi:10.1093/scan/nsae023

135/18 – "The physiological role of circadian rhythms in memory"
Investigadores/*Researchers*: Luísa Lopes, Miguel Remondes, Ana Morgado, Joana Coelho
Instituição/*Institution*: Instituto de Medicina Molecular - João Lobo Antunes, Lisboa (Portugal)
Duração/*Duration*: 2019/01 – 2023/01

Peer-reviewed publications

Dias, M., Marques-Morgado, I., Coelho, J. E., Ruivo, P., Lopes, L. V., & Remondes, M. (2021). Transection of the superior sagittal sinus enables bilateral access to the rodent midline brain structures. *eNeuro, 8*(4): 0146-21.2021. doi:10.1523/ENEURO.0146-21.2021

Reis, C., Madeira, S. G., Lopes, L. V., Paiva, T., & Roenneberg, T. (2020). Validation of the Portuguese Variant of the Munich Chronotype Questionnaire (MCTQ(PT)). *Frontiers in Physiology, 11*: 795. doi:10.3389/fphys.2020.00795

138/18 – "The neural signatures of leadership: Two-brain directed synchronization during eye contact"
Investigadores/*Researchers*: Caroline Di Bernardi Luft, Isabelle Mareschal
Instituição/*Institution*: School of Biological and Chemical Sciences, Queen Mary University of London (UK)
Duração/*Duration*: 2019/07 – 2023/09

Peer-reviewed publications

Giannopoulos, A. E., Zioga, I., Luft, C. D. B., Papageorgiou, P., Papageorgiou, G. N., Kapsali, F., Kontoangelos, K., Capsalis, C. N., & Papageorgiou, C. (2023). Unravelling brain connectivity patterns in body dysmorphic disorder during decision-making on visual illusions: A graph theoretical approach. *Psychiatry Research, 325*, 115256. doi:10.1016/j.psychres.2023.115256

Luft, C. D. B., Zioga, I., Giannopoulos, A., Di Bona, G., Binetti, N., Civilini, A., Latora, V. & Mareschal, I. (2022). Social synchronization of brain activity increases during eye-contact. *Communications Biology, 5,* 412. doi:0.1038/s42003-022-03352-6

Zioga, I., Harrison, P. M. C., Pearce, M. T., Bhattacharya, J., & Luft, C. D. B. (2020). Auditory but not audiovisual cues lead to higher neural sensitivity to the statistical regularities of an unfamiliar musical style. *Journal of Cognitive Neuroscience, 32*(12), 2241-2259. doi:10.1162/jocn_a_01614

144/18 – "The motor roots of acting together: A psychophysiological investigation"
Investigadores/*Researchers*: Marta Bortoletto, Corrado Sinigaglia
Instituição/*Institution*: IRCCS Istituo Centro San Giovanni di Dio Fatebenefratelli, Brescia (Italy); Centre for the Study of Social Action, Università degli Studi di Milano (Italy)
Duração/*Duration*: 2019/03 – 2024/02

Peer-reviewed publications

Barchiesi, G., Zazio, A., Marcantoni, E., Bulgari, M., di San Pietro, C. B, Sinigaglia, C. & Bortoletto, M. (2022). Sharing motor plans while acting jointly: A TMS study. *Cortex, 151,* 224-239. doi:10.1016/j.cortex.2022.03.007

148/18 – "Voice perception in the visually deprived brain: Behavioral and electrophysiological insights"
Investigadores/*Researchers*: Tatiana Conde e Magro, Ana Pinheiro, César Lima
Instituição/*Institution*: Centro de Investigação em Ciência Psicológica - CICPSI, Faculdade de Psicologia da Universidade de Lisboa (Portugal); Centro de Investigação e de Intervenção Social, ISCTE - Instituto Universitário de Lisboa (Portugal)
Duração/*Duration*: 2020/02 – 2023/09

Peer-reviewed publications

Sarzedas, J., Lima, C. F., Roberto, M. S., Scott, S. K., Pinheiro, A. P., & Conde, T. (2024). Blindness influences emotional authenticity perception in voices: Behavioral and ERP evidence. *Cortex, 172*, 254–270. doi:10.1016/j.cortex.2023.11.005

Conde, T., Correia, A. I., Roberto, M. S., Scott, S. K., Lima, C. F., & Pinheiro, A. P. (2022). The time course of emotional authenticity detection in nonverbal vocalizations. *Cortex, 151*, 116-132. doi:10.1016/j.cortex.2022.02.016

Pinheiro, A. P., Anikin, A., Conde, T., Sarzedas, J., Chen, S., Scott, S. K., & Lima, C. F. (2021). Emotional authenticity modulates affective and social trait inferences from voices. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences, 376*(1840), 20200402. doi:10.1098/rstb.2020.0402

156/18 – "Examining observer effects on random processes: A correlation matrix"
Investigador/*Researcher*: Ana Flores
Instituição/*Institution*: Life and Health Sciences Research Institute - ICVS, School of Health Sciences, University of Minho, Braga (Portugal)
Duração/*Duration*: 2019/07 - 2024/02

Peer-reviewed publications

Flores, A. B., & Rapazote-Flores, P. (2023). Mind and matter correlated in a matrix. New replication using an online game. *Qeios*. doi:10.32388/0PAHC2

160/18 – "Exploring the effect of transcranial direct current stimulation during sleep on fear extinction learning"
Investigadores/*Researchers*: Carmelo Vicario, Michael A Nitsche, Vuk Markovic
Instituição/*Institution*: Department of Psychology and Neuroscience, Leibniz Research Centre for Working Environment and Human Factors, Dortmund (Germany); Department of Cognitive Science, University of Messina (Italy)
Duração prevista/*Estimated duration*: 2019/04 – 2024/04

Peer-reviewed publications

Casula, A., Milazzo, B. M., Martino, G., Sergi, A., Lucifora, C., Tomaiuolo, F., Quartarone, A., Nitsche, M. A., & Vicario, C. M. (2023). Non-invasive brain stimulation for the modulation of aggressive behavior - A systematic review of randomized sham-controlled studies. *Life, 13*(5), 1220. doi:10.3390/life13051220

Culicetto, L., Ferraioli, F., Lucifora, C., Falzone, A., Martino, G., Craparo, G., Avenanti, A., & Vicario, C. M. (2023). Disgust as a transdiagnostic index of mental illness: A narrative review of clinical populations. *Bulletin of the Menninger Clinic, 87*(Supplement A), 53-91. doi:10.1521/bumc.2023.87.suppA.53

Rizzo, G., Martino, D., Avanzino, L., Avenanti, A., & Vicario, C. M. (2023). Social cognition in hyperkinetic movement disorders: A systematic review. *Social Neuroscience*, *18*(6), 331–354. doi:10.1080/17470919.2023.2248687

Tortora, F., Hadipour, A. L., Battaglia, S., Falzone, A., Avenanti, A., & Vicario, C. M. (2023). The role of serotonin in fear learning and memory: A systematic review of human studies. *Brain Sciences, 13*(8), 1197. doi:10.3390/brainsci13081197

Vicario C. M., Makris, S., Culicetto, L., Lucifora, C., Falzone, A., Martino, G., Ferraioli, F., Nitsche, M. A., Avenanti, A., & Craparo, G. C. (2023). Evidence of altered fear extinction learning in individuals with high vaccine hesitancy during COVID-19 pandemic. *Clinical Neuropsychiatry, 20*(4), 364-369. doi:10.36131/cnfioritieditore20230417

Lucifora, C., Grasso, G., Nitsche, M., D'Italia, G., Sortino, M., Salehinejad, M., Falzone, A., Avenanti, A. & Vicario, C. (2022). Enhanced fear acquisition in individuals with evening chronotype. A virtual reality fear conditioning/extinction study. *Journal of Affective Disorders, 311*, 344-352. doi:10.1016/j.jad.2022.05.033

Pennisi, P., Salehinejad, M. A., Corso, A. M., Merlo, E. M., Avenanti, A., & Vicario, C. M. (2023). Delay discounting in Parkinson's disease: A systematic review and meta-analysis. *Behavioural Brain Research, 436*, 114101. doi:10.1016/j.bbr.2022.114101

Vicario, C. M., Salehinejad, M. A., Lucifora, C., Martino, G., Falzone, A. M., & Nitsche, M. A. (2023). Combining virtual reality exposure therapy with non-invasive brain stimulation for the treatment of post-traumatic stress disorder and related syndromes: A perspective. In: G. Pinna (Eds), *Translational Methods for PTSD Research. Neuromethods* (Vol 198). Humana, New York, NY. doi:10.1007/978-1-0716-3218-5_12

Vicario, C. M., Turrini, S., Lucifora, C., Culicetto, L., Ferraioli, F., Falzone, A., Nitsche, M. A., & Avenanti, A. (2022). When defeat leaves a bad taste in the mouth: Modulation of tongue corticobulbar output during monetary loss in a gambling task. *Brain Stimulation, 15*(6), 1448–1450. doi:10.1016/j.brs.2022.10.010

Vicario, C., Nitsche, M., & Avenanti, A. (2022). Tongue motor cortex: The back door of the reward system. *Neuroscience and Biobehavioral Reviews, 141,* 104820. doi:10.1016/j.neubiorev.2022.104820

Markovic, V., Vicario, C. M., Yavari, F., Salehinejad, M. A., & Nitsche, M. A. (2021). A systematic review on the effect of transcranial direct current and magnetic stimulation on fear memory and extinction. *Frontiers in Humanc Neuroscience, 15*: 655947. doi:10.3389/fnhum.2021.655947

163/18 – "Effects of a short-term mindfulness intervention on hypnotisability and mental health"

Investigadores/*Researchers*: Zoltan Dienes, Peter Lush
Instituição/*Institution*: School of Psychology, University of Sussex (UK)
Duração/Duration: 2019/04 – 2020/04

Peer-reviewed publications

Dienes, Z., Lush, P., Palfi, B., Roseboom, W., Scott, R., Parris, B., Seth, A., & Lovell, M. (2020). Phenomenological control as cold control. *Psychology of Consciousness: Theory, Research, and Practice*, *9*(2), 101-116. doi:10.1037/cns0000230

Lush, P., Botan, V., Scott, R. B., Seth, A. K., Ward, J., & Dienes, J. (2020). Trait phenomenological control predicts experience of mirror synaesthesia and the rubber hand illusion. *Nature Communications, 11*: 4853. doi:10.1038/s41467-020-18591-6

169/18 – "Temporal decoding of selective recollection with psychophysiology"

Investigadores/*Researchers*: Alexa Morcom, Arjen Alink
Instituição/*Institution*: School of Psychology, University of Sussex (UK)
Duração/*Duration*: 2019/06 – 2022/05

Peer-reviewed publications

Moccia, A., & Morcom, A. M. (2021). Cue overlap supports preretrieval selection in episodic memory: ERP evidence. *Cognitive, Affective & Behavioral Neuroscience*. doi:10.3758/s13415-021-00971-0

188/18 – "COping with PAin through Hypnosis, mindfulness and Spirituality (COPAHS)"

Investigadores/*Researchers*: Maria Alexandra Ferreira Valente, José Luís Pais Ribeiro, Mark Philip Jensen, Ana Filipa Pimenta, Rui Miguel Costa, Melissa Day
Instituição/*Institution*: William James Center for Research, ISPA – Instituto Universitário, Lisboa (Portugal); Department of Rehabilitation Medicine, University of Washington, Seattle (USA)
Duração/*Duration*: 2019/10 – 2023/01

Peer-reviewed publications

Ferreira-Valente, A., Van Dyke, B. P., Day, M. A., Teotónio do Carmo, C., Pais-Ribeiro, J., Pimenta, F., Costa, R. M., & Jensen, M. P. (2022). Immediate effects of hypnosis, mindfulness meditation, and prayer on cold pressor outcomes: A four-arm parallel experimental study. Journal of Pain Research, 15, 4077–4096. doi:10.2147/JPR.S388082

Jarego, M., Ferreira-Valente, A., Queiroz-Garcia, I., Day, M. A., Pais-Ribeiro, J., Costa, R. M., Pimenta, F., & Jensen, M. P. (2022). Are prayer-based interventions effective pain management options? A systematic review and meta-analysis of randomized controlled trials. *Journal of Religion and Health*, *62*(3), 1780–1809. doi:10.1007/s10943-022-01709-z

Ferreira-Valente, A., Pimenta, F., Costa, R. M., Day, M. A., Pais-Ribeiro, J., & Jensen, M. P. (2021). COPAHS study: Protocol of a randomized experimental study comparing the effects

of hypnosis, mindfulness meditation and spiritual practices on experimental pain in healthy adults. *BMJ Open, e040068*. doi:10.1136/bmjopen-2020-040068

Ferreira-Valente, A., Jarego, M., Queiroz-Garcia, I., Pimenta, F., Costa, R. M., Day, M. A., Pais-Ribeiro, J., & Jensen, M. P. (2021). Prayer as a pain intervention: Protocol of a systematic review of randomized controlled trials. BMJ Open, 11, e047580. doi:10.1136/bmjopen-2020-047580

190/18 – "Ganzfeld ESP research: Building on lessons learned"
Investigador/Researcher: Caroline Watt
Instituição/Institution: Koestler Parapsychology Unit, University of Edinburgh (UK)
Duração prevista/Estimated duration: 2019/10 – 2024/05

Peer-reviewed publications

Pooley, A., Murray, A., & Watt, C. (2023). Understanding the factors at play in the sender-receiver dynamic during telepathy ganzfeld: A meta-analysis. *Journal of Anomalous Experience and Cognition, 3*(1), 42-47. doi:10.31156/jaex.23878

193/18 – "The essential role of the dorsolateral prefrontal cortex in motor imagery: A TMS interference study"
Investigador/*Researcher*: Scott Glover
Instituição/*Institution*: Psychology Department, Royal Holloway University of London (UK)
Duração/*Duration*: 2019/03 – 2022/10

Peer-reviewed publications

Martel, M., & Glover, S. (2023). TMS over dorsolateral prefrontal cortex affects the timing of motor imagery but not overt action: Further support for the motor-cognitive model. *Behavioural Brain Research, 437*, 114125. doi:10.1016/j.bbr.2022.114125

204/18 – "Boosting WM capacity by strengthening the oscillatory functional fronto-parietal pathway"
Investigador/*Researcher*: Vincenzo Romei
Instituição/*Institution*: Centre for studies and research in Cognitive Neuroscience - CsrNC, Department of Psychology, University of Bologna (Italy)
Duração/*Duration*: 2019/03 – 2023/04

Peer-reviewed publications

Tarasi, L., Turrini, S., Sel, A., Avenanti, A., & Romei, V. (2024). Cortico-cortical paired-associative stimulation to investigate the plasticity of cortico-cortical visual networks in humans. *Current Opinion in Behavioral Sciences, 56*, 101359. doi:10.1016/j.cobeha.2024.101359

Di Gregorio, F., Petrone, V., Casanova, E., Lullini, G., Romei, V., Piperno, R., & La Porta, F. (2023). Hierarchical psychophysiological pathways subtend perceptual asymmetries in neglect. *NeuroImage, 270*, 119942. doi:10.1016/j.neuroimage.2023.119942

Samaha, J., & Romei, V. (2024). Alpha-Band Frequency and Temporal Windows in Perception: A Review and Living Meta-analysis of 27 Experiments (and Counting). *Journal of Cognitive Neuroscience, 36*(4), 640–654. doi:10.1162/jocn_a_02069

Tarasi, L., Borgomaneri, S., & Romei, V. (2023). Antivax attitude in the general population along the autism-schizophrenia continuum and the impact of socio-demographic factors. *Frontiers in Psychology, 14*, 1059676. doi:10.3389/fpsyg.2023.1059676

Trajkovic, J., Di Gregorio, F., Avenanti, A., Thut, G., & Romei, V. (2023). Two oscillatory correlates of attention control in the alpha-band with distinct consequences on perceptual gain and metacognition. *Journal of Neuroscience, 43*(19), 3548-3556. doi:10.1523/JNEUROSCI.1827-22.2023

Di Luzio, P., Tarasi, L., Silvanto, J., Avenanti, A., & Romei, V. (2022). Human perceptual and metacognitive decision-making rely on distinct brain networks. *PLoS Biology, 20*(8), e3001750. doi:10.1371/journal.pbio.3001750

Bertaccini, R., Ellena, G., Macedo-Pascual, J., Carusi, F., Trajkovic, J., Poch, C., & Romei, V. (2022). Parietal alpha oscillatory peak frequency mediates the effect of practice on visuospatial working memory performance. *Vision, 6*(30). doi:10.3390/vision6020030

Trajkovic, F., di Gregorio, F., Marcantoni, E., Thut, G., & Romei, V. (2022). A TMS/EEG protocol for the causal assessment of the functions of the oscillatory brain rhythms in perceptual and cognitive processes. *STAR Protocols, 3* (2), 101435. doi:10.1016/j.xpro.2022.101435.

Di Gregorio, F., Trajkovi, J., Roperti, C., Marcantoni, E., Di Luzio, P., Avenanti, A., Thut, G., & Romei, V. (2022). Tuning alpha rhythms to shape conscious visual perception. *Current Biology, 32*, 1-11, doi:10.1016/j.cub.2022.01.003

Gillmeister, H., Succi, A., Romei, V., & Poerio, G. L. (2022). Touching you, touching me: Higher incidence of mirror-touch synaesthesia and positive (but not negative) reactions to social touch in Autonomous Sensory Meridian Response. *Consciousness and Cognition, 103*, 103380. doi:10.1016/j.concog.2022.103380

Di Luzio, P., Borgomaneri, S., Sanchioni, S., Tessari, A., & Romei, V. (2021). Exposure to first-person shooter videogames is associated with multisensory temporal precision and migraine incidence. *Cortex, 134*, 223-238. doi:10.1016/j.cortex.2020.10.009

Fotia, F., Cooke, J., Van Dam, L., Ferri, F., & Romei, V. (2021). The temporal sensitivity to the tactile-induced double flash illusion mediates the impact of beta oscillations on schizotypal personality traits. *Consciousness and Cognition, 91*: 103121. doi:10.1016/j.concog.2021.103121

Ellena, G., Starita, F., Haggard, P., Romei, V., & Làdavas, E. (2021). Fearful faces modulate spatial processing in peripersonal space: An ERP study. *Neuropsychologia, 156*: 107827. doi:10.1016/j.neuropsychologia.2021.107827

Tarasi, L., Magosso, E., Ricci, G., Ursino, M., & Romei, V. (2021). The directionality of fronto-posterior brain connectivity is associated with the degree of individual autistic traits. *Brain Sciences, 11*(11), 1443. doi:10.3390/brainsci11111443

Tarasi, L., Trajkovic, J., Diciotti, S., di Pellegrino, G., Ferri, F., Ursino, M., & Romei, V. (2022). Predictive waves in the autism-schizophrenia continuum: a novel biobehavioral model. *Neuroscience and Biobehavioral Reviews, 132*, 1-22. doi:10.1016/j.neubiorev.2021.11.006

Trajkovic, J., Di Gregorio, F., Ferri, F., Marzi, C., Diciotti, S. & Romei, V. (2021). Resting state alpha oscillatory activity is a valid and reliable marker of schizotypy. *Scientific Reports, 11*, 10379. doi:10.1038/s41598-021-89690-7

Chiappini, E., Borgomaneri, S., Marangon, M., Turrini, S., Romei, V., & Avenanti, A. (2020). Driving associative plasticity in premotor-motor connections through a novel paired associative stimulation based on long-latency cortico-cortical interactions. *Brain Stimulation, 13*(5), 1461-1463. doi:10.1016/j.brs.2020.08.003

Fenner, B., Cooper, N., Romei, V., & Hughes, G. (2020). Individual differences in sensory integration predict differences in time perception and individual levels of schizotypy. *Consciousness and Cognition, 84*: 102979. doi:10.1016/j.concog.2020.102979

Bender, M., Romei, V., & Sauseng, P. (2019). Slow theta tACS of the right parietal cortex enhances contralateral visual working memory capacity. *Brain Topography, 32*(3), 477-481. doi:10.1007/s10548-019-00702-2

Cooke, J., Poch, C., Gillmeister, H., Costantini, M., & Romei, V. (2019). Oscillatory properties of functional connections between sensory areas mediate crossmodal illusory perception. *Journal of Neuroscience*. doi:10.1523/JNEUROSCI.3184-18.2019

Migliorati, D., Zappasodi, F., Perrucci, M. G., Donno, B., Northoff, G., Romei, V., & Costantini, M. (2020). Individual alpha frequency predicts perceived visuotactile simultaneity. *Journal of Cognitive Neuroscience, 32*(1), 1–11. doi:10.1162/jocn_a_01464

Pietrelli, M., Zanon, M., Làdavas, E., Grasso, P. A., Romei, V., & Bertini, C. (2019). Posterior brain lesions selectively alter alpha oscillatory activity and predict visual performance in hemianopic patients. *Cortex, 121*, 347-361. doi:10.1016/j.cortex.2019.09.008

210/18 – "Mind-matter interactions and the frontal lobes of the brain"
Investigadores/*Researchers*: Morris Freedman, Robert Chen, Malcolm Binns
Instituição/*Institution*: Division of Neurology, Baycrest Health Sciences, Toronto (Canada); Division of Neurology, University Health Network - UHN, Toronto (Canada)
Duração/*Duration*: 2019/07 – 2023/11

Peer-reviewed publications

Freedman, M., Binns, M. A., Meltzer, J. A., Hashimi, R., & Chen, R. (2024). Enhanced mind-matter interactions following rTMS induced frontal lobe inhibition. *Cortex, 172*, 222–233. doi:10.1016/j.cortex.2023.10.016

211/18 – "Correlating accurate intuition with learning styles and sensory modality preferences"
Investigadores/*Researchers*: Julie Beischel, Lisa Conboy
Instituição/*Institution*: Windbridge Research Center, Tucson, Arizona (USA); Beth Israel Deaconess Medical Center at Harvard Medical School, Boston, Massachusetts (USA)
Duração/*Duration*: 2019/01 – 2021/10

Peer-reviewed publications

Beischel, J., & Conboy, L. (2021). Correlating mediums' accuracy with learning styles and sensory modality preferences. *Threshold: Journal of Interdisciplinary Consciousness Studies, 4*(1), 1-20.

220/18 – "Mind-shaped body: A new conceptual framework beyond the placebo effect connecting expectations to disease outcome"
Investigadores/*Researchers*: Francesco Pagnini, Paolo Banfi, Cesare Cavalera, Eleonora Volpato
Instituição/*Institution*: Department of Psychology, Università Cattolica del Sacro Cuore, Milan (Italy); Respiratory Rehabilitation Unit, Fondazione Don Carlo Gnocchi, Milan (Italy)
Duração/*Duration*: 2019/02 – 2022/03

Peer-reviewed publications

Volpato, E., Banfi, P., & Pagnini, F. (2023). The interaction between asthma, emotions, and expectations in the time of COVID-19. *Journal of Asthma and Allergy, 16*, 1157–1175. doi:10.2147/JAA.S418840

Pagnini, F., Volpato, E., Dell'Orto, S., Cavalera, C., Spina, M., & Banfi, P. (2021). Illness expectations assessment in people with asthma: A tool for explicit and implicit beliefs. *Journal of Asthma and Allergy, 14*, 449-455. doi:10.2147/JAA.S307763

Pagnini, F., Cavalera, C., Volpato, E., & Banfi, P. (2020). Illness expectations predict the development of influenza-like symptoms over the winter season. *Complementary Therapies in Medicine, 50*, 102396. doi:10.1016/j.ctim.2020.102396

Pagnini, F. (2019). The potential role of illness expectations in the progression of medical diseases. *BMC Psychology, 7*: 70. doi:10.1186/s40359-019-0346-4

228/18 – "Blurring the line between human and robot? Mapping and manipulating the socialness gradient in the brain"
Investigadores/*Researchers*: Ruud Hortensius, Emily Cross
Instituição/*Institution*: Centre for Social, Cognitive and Affective Neuroscience - cSCAN, Institute of Neuroscience and Psychology, University of Glasgow (UK)
Duração/*Duration*: 2019/05 – 2021/09

Peer-reviewed publications

Timmerman, R. H., Hsieh T.-Y., Henschel A., Hortensius R., Cross E.S. (2021) Individuals expend more effort to compete against robots than humans after observing competitive human–robot interactions. In: Li H. et al. (eds), *Social Robotics. ICSR 2021. Lecture Notes in Computer Science*, vol 13086. Springer, Cham. doi:10.1007/978-3-030-90525-5_60

de Jong, D., Hortensius, R., Hsieh, T.-Y., & Cross, E. S. (2021). Empathy and Schadenfreude in Human–Robot Teams. *Journal of Cognition, 4*(1), 35. doi:10.5334/joc.177

Hortensius, R., Kent, M., Darda, K. M., Jastrzab, L. E., Koldewyn, K., Ramsey, R., & Cross, E. S. (2021). Exploring the relationship between anthropomorphism and Theory-of-Mind in brain and behaviour. *Human Brain Mapping, 42*: 13. doi:10.1002/hbm.25542

Henschel, A., Hortensius, R., & Cross, E. S. (2020). Social cognition in the age of human-robot interaction. *Trends in Neurosciences, 43*(6), 373-384. doi:10.1016/j.tins.2020.03.013

230/18 – "Psychophysiological, cortical excitability and functional connectivity measures
Investigadores/*Researchers*: Ignacio Obeso, Jose Ángel Pineda Pardo, Claudia Ammann, Lina Guida, Úrsula Alcañas, David Mata Marín"
Instituição/*Institution*: Centro Integral en Neurociencias A.C. - CINAC, Fundación Investigación HM Hospitales, Madrid (Spain)
Duração/*Duration*: 2019/02 – 2023/03

Peer-reviewed publications

Guida, P., Foffani, G., & Obeso, I. (2023). The supplementary motor area and automatic cognitive control: Lack of evidence from two neuromodulation techniques. *Journal of Cognitive Neuroscience, 35*(3), 439-451. doi:10.1162/jocn_a_01954

Mata-Marín, D., Redgrave, P., & Obeso, I. (2023). The Impact of Emotions on Habitual Inhibition. *Journal of Cognitive Neuroscience*, *35*(11), 1868–1878. doi:10.1162/jocn_a_02050

252/18 – "Spiritual states induced by ayahuasca, and the involvement of the reward system"

Investigadores/*Researchers*: Miguel Castelo-Branco, Gisela Lima, Miguel Raimundo, Pedro Fonseca, Carla Cavaleiro, Lorena Petrella, Célia Cabral, Antero Abrunhosa

Instituição/*Institution*: Institute for Nuclear Sciences Applied to Health - ICNAS, University of Coimbra (Portugal)

Duração/*Duration*: 2019/10 – 2022/09

Peer-reviewed publications

Soares, C., Gonzalo, G., Castelhano, J., & Castelo-Branco, M. (2023). The relationship between the default mode network and the theory of mind network as revealed by psychedelics - A meta-analysis. *Neuroscience and Biobehavioral Reviews, 152*, 105325. doi:10.1016/j.neubiorev.2023.105325

Verdade, A., Sousa, T., Castelhano, J., & Castelo-Branco, M. (2022). Positive hysteresis in emotion recognition: Face processing visual regions are involved in perceptual persistence, which mediates interactions between anterior insula and medial prefrontal cortex. *Cognitive, Affective, & Behavioral Neuroscience.* doi:10.3758/s13415-022-01024-w

Castelhano, J., Duarte, I., Bernardino, I., Pelle, F., Francione, S., Sales, F., & Castelo-Branco, M. (2022). Intracranial recordings in humans reveal specific hippocampal spectral and dorsal vs. ventral connectivity signatures during visual, attention and memory tasks. *Scientific Reports, 12*(1)*,* 3488. doi:10.1038/s41598-022-07225-0

Castelhano, J., Lima, G., Teixeira, M., Soares, C., Pais, M., & Castelo-Branco, M. (2021). The Effects of Tryptamine Psychedelics in the Brain: A meta-Analysis of Functional and Review of Molecular Imaging Studies. *Frontiers in Pharmacology, 12*, 739053. doi:10.3389/fphar.2021.739053

Rebelo, D., Oliveira, F., Abrunhosa, A., Januário, C., Lemos, J., & Castelo-Branco, M. (2021). A link between synaptic plasticity and reorganization of brain activity in Parkinson's disease. *Proceedings of the National Academy of Sciences of the United States of America*, 118(3): e2013962118. doi:10.1073/pnas.2013962118

Sousa, T., Duarte, J. V., Costa, G. N., Kemper, V. G., Martins, R., Goebel, R., & Castelo-Branco, M. (2021). The dual nature of the BOLD signal: Responses in visual area hMT+ reflect both input properties and perceptual decision. *Human Brain Mapping*. doi:10.1002/hbm.25339

Duarte, I. C., Coelho, G., Brito-Costa, S., Cayolla, R., Afonso, S., Castelo-Branco, M. (2020). Ventral caudate and anterior insula recruitment during value estimation of passionate rewarding cues. *Frontiers in Neuroscience, 14*: 678. doi:10.3389/fnins.2020.00678

Sayal, A., Sousa, T., Duarte, J. V., Costa, G. N., Martins, R., & Castelo-Branco, M. (2020). Identification of competing neural mechanisms underlying positive and negative perceptual hysteresis in the human visual system. *Neuroimage, 221*: 117153. doi:10.1016/j.neuroimage.2020.117153

261/18 – "Phenomenological experience and neurophysiological correlates of shamanic trance in healthy individuals"

Investigador/*Researcher*: Olivia Gosseries

Instituição/*Institution*: GIGA research center, GIGA-Consciousness, University of Liège (Belgium)

Duração/*Duration*: 2019/07 – 2021/11

Peer-reviewed publications

Regnier, A., Mélotte, E., Aubinet, C., Alnagger, N., Fischer, D., Lagier, A., Thibaut, A., Laureys, S., Kaux, J. F., & Gosseries, O. (2024). Swallowing dysfunctions in patients with disorders of consciousness: Evidence from neuroimaging data, assessment, and management. *NeuroRehabilitation, 54*(1), 91–107. doi:10.3233/NRE-230135

Oswald, V., Vanhaudenhuyse, A., Annen, J., Martial, C., Bicego, A., Rousseaux, F., Sombrun, C., Harel, Y., Faymonville, M. E., Laureys, S., Jerbi, K., & Gosseries, O. (2023). Autonomic nervous system modulation during self-induced non-ordinary states of consciousness. *Scientific Reports, 13*(1), 15811. doi:10.1038/s41598-023-42393-7

Panda, R., Vanhaudenhuyse, A., Piarulli, A., Annen, J., Demertzi, A., Alnagger, N., Chennu, S., Laureys, S., Faymonville, M. E., & Gosseries, O. (2023). Altered Brain Connectivity

and Network Topological Organization in a Non-ordinary State of Consciousness Induced by Hypnosis. *Journal of Cognitive Neuroscience, 35*(9), 1394–1409. doi:10.1162/jocn_a_02019

Timmermann, C., Bauer, P. R., Gosseries, O., Vanhaudenhuyse, A., Vollenweider, F., Laureys, S., Singer, T., Mind and Life Europe (MLE) ENCECON Research Group, Antonova, E., & Lutz, A. (2023). A neurophenomenological approach to non-ordinary states of consciousness: hypnosis, meditation, and psychedelics. *Trends in Cognitive Sciences, 27*(2), 139-159. doi:10.1016/j.tics.2022.11.006

Grégoire, C., Marie, N., Sombrun, C., Faymonville, M. E., Kotsou, I., van Nitsen, V., de Ribaucourt, S., Jerusalem, G., Laureys, S., Vanhaudenhuyse, A., & Gosseries, O. (2022). Hypnosis, Meditation, and Self-Induced Cognitive Trance to Improve Post-treatment Oncological Patients' Quality of Life: Study Protocol. *Frontiers in Psychology, 13*, 807741. doi:10.3389/fpsyg.2022.807741

Grégoire, C., Sombrun, C., Gosseries, O., & Vanhaudenhuyse, A. (2021). La transe cognitive auto-induite : caractéristiques et applications thérapeutiques potentielles. *Hegel, 11*(2), 192-201. doi:10.3917/heg.112.0192

Gosseries, O., & Fecchio, M., Wolff, A., Sanz, L. R. D., Sombrun, C., Vanhaudenhuyse, A., & Laureys, S. (2019). Behavioural and brain responses in cognitive trance: A TMS-EEG case study. *Clinical Neurophysiology, 131*(2), 586-588. doi:10.1016/j.clinph.2019.11.011

269/18 – "Electrophysiological and genetic factors associated with hypnosis, suggestibility and hypnotic phenomenology"

Investigadores/*Researchers*: William McGeown, Irving Kirsch, Giuliana Mazzoni, Rothwelle Tate, Annalena Venneri

Instituição/*Institution*: School of Psychological Sciences and Health, University of Strathclyde, Glasgow (UK)

Duração prevista/*Estimated duration*: 2019/06 - 2024/04

Peer-reviewed publications

Irving, A. J., Nikolova, N., Robinson, S., Ionita, I., Kelly, S. W., Kirsch, I., Mazzoni, G., Venneri, A., & McGeown, W. J. (2024). The relationship between transliminality, hypnotic and imaginative suggestibility, and other personality traits. *Acta Psychologica, 243*, 104125. doi:10.1016/j.actpsy.2024.104125

276/18 – "Embodied morality: Autonomic signatures of spontaneous deception in mindfulness trained practitioners"

Investigadores/*Researchers*: Giorgia Ponsi, Maria Serena Panasiti, Cristiano Crescentini, Salvatore Maria Aglioti

Instituição/*Institution*: Department of Psychology, University of Rome "La Sapienza" (Italy)

Duração prevista/*Estimated duration*: 2019/11 – 2024/96

Peer-reviewed publications

Feruglio, S., Panasiti, M. S., Crescentini, C., Aglioti, S. M., & Ponsi, G. (2023). Training the moral self: An 8-week mindfulness meditation program leads to reduced dishonest behavior and increased regulation of interoceptive awareness. *Mindfulness, 14*, 2757-2779. doi:10.1007/s12671-023-02233-1

Feruglio, S., Panasiti, M. S., Crescentini, C., Aglioti, S. M., & Ponsi, G. (2022). The impact of mindfulness meditation on social and moral behavior: Does mindfulness enhance other-oriented motivation or decrease monetary reward salience? *Frontiers in Integrative Neuroscience, 16*, 963422. doi:10.3389/fnint.2022.963422

Ponsi, G., Era, V., Fini, C., & Falcinelli, I. (2021). It's a matter of (executive) load: Separation as a load-dependent resetting procedure. *Behavioral and Brain Sciences, 44*: e17, 41-43. doi:10.1017/S0140525X20000485

Ponsi, G., Scattolin, M., Villa, R., & Aglioti, S. M. (2021). Human moral decision-making through the lens of Parkinson's disease. *npj parkinson's disease, 7*, 18. doi:10.1038/s41531-021-00167-w

Panasiti, M. S., Ponsi, G., & Violani, C. (2020). Emotions, alexithymia and emotion regulation in patients with psoriasis. *Frontiers in Psychology, 11*: 836. doi:10.3389/fpsyg.2020.00836

Ponsi, G., & Panasiti, M. S. (2020). Impulsive-compulsive disorders in Parkinson's Disease: Influence on individual and social decision-making processes. *Rivista di Psichiatria, 55*(4), 213-221. doi:10.1708/3417.33997

284/18 – "Testing a neurophysiological model of inner speech processing"
Investigador/*Researcher*: Bo Yao
Instituição/*Institution*: Division of Neuroscience and Experimental Psychology, University of Manchester (UK)
Duração/*Duration*: 2019/09 – 2022/01

Peer-reviewed publications

Yao, B., Taylor, J. R., Banks, B., & Kotz, S. A. (2021). Reading direct speech quotes increases theta phase-locking: Evidence for cortical tracking of inner speech? *Neuroimage, 239*: 118313. doi:10.1016/j.neuroimage.2021.118313

287/18 – "More thankful, less stressed? Gratitude and physiological reactions to stress"
Investigadores/*Researchers*: Brenda O'Connell, Stephen Gallagher, Brian Leavy
Instituição/*Institution*: Centre for Mental Health & Community Research, Department of Psychology, Maynooth University (Ireland); Study of Stress, Anxiety and Health Laboratory, Department of Psychology, University of Limerick (Ireland)
Duração/*Duration*: 2019/09 – 2023/10

Peer-reviewed publications

Leavy, B., O'Connell, B. H., & O'Shea, D. (2023). Gratitude, affect balance, and stress buffering: A growth curve examination of cardiovascular responses to a laboratory stress task. *International Journal of Psychophysiology, 183*, 103–116. doi:10.1016/j.ijpsycho.2022.11.013

Leavy, B., O'Connell, B. H., & O'Shea, D. (2023). Heart rate reactivity mediates the relationship between trait gratitude and acute myocardial infarction. *Biological Psychology*, *183*, 108663. doi:10.1016/j.biopsycho.2023.10866

293/18 – "The middle-age brain"
Investigadores/*Researchers*: Marinella Cappelletti, Maria Herrojo Ruiz
Instituição/*Institution*: Department of Psychology, Goldsmiths, University of London (UK)
Duração/*Duration*: 2019/03 – 2024/02

Peer-reviewed publications

D'Angelo, M., Frassinetti, F., & Cappelletti, M. (2023). The role of beta oscillations in mental time travel. *Psychological Science, 34*(4), 490-500. doi:10.1177/09567976221147259

Golemme, M., Tatti, E., Di Bernardi Luft, C., Bhattacharya, J., Herrojo Ruiz, M., & Cappelletti, M. (2021). Multivariate patterns and long-range temporal correlations of alpha oscillations are associated with flexible manipulation of visual working memory representations. *The European Journal of Neuroscience, 54*(9), 7260–7273. doi:10.1111/ejn.15486

Thompson, L., Khuc, J., Saccani, M. S., Zokaei, N., & Cappelletti, M. (2021). Gamma oscillations modulate working memory recall precision. Experimental Brain Research, 239(9), 2711–2724. doi:10.1007/s00221-021-06051-6

Schmidt, R., Herrojo Ruiz, M., Kilavik, B. E., Lundqvist, M., Starr, P. A., & Aron, A. R. (2019). Beta oscillations in working memory, executive control of movement and thought, and sensorimotor function. *The Journal of Neuroscience, 39*(42), 8231–8238. doi : 10.1523/JNEUROSCI.1163-19.2019

296/18 – "The power of mind: Altering cutaneous sensations by autosuggestion"
Investigadores/*Researchers*: Elena Azáñon, Esther Kuehn
Instituição/*Institution*: Institute of Psychology, Faculty of Natural Sciences, Otto-von-Guericke University, Magdeburg (Germany)
Duração/*Duration*: 2019/11 – 2023/11

Peer-reviewed publications

Myga, K. A., Kuehn, E., & Azañón, E. (2024). How the inner repetition of a desired perception changes actual tactile perception. *Scientific Reports, 14*(1), 3072. doi:10.1038/s41598-024-53449-7

Myga, K. A., Kuehn, E., & Azanon, E. (2022). Autosuggestion: a cognitive process that empowers your brain? *Experimental Brain Research, 240*(2), 381–394. doi:10.1007/s00221-021-06265-8

306/18 – "The neural circuitry underlying error monitoring during social cognition"
Investigadores/*Researchers*: Teresa Sousa, Miguel Castelo-Branco, João Castelhano, Verónica Figueiredo, Andreia Pereira
Instituição/*Institution*: Institute for Nuclear Sciences Applied to Health - ICNAS, University of Coimbra (Portugal)
Duração/*Duration*: 2019/10 – 2022/09

Peer-reviewed publications

Estiveira, J., Dias, C., Costa, D., Castelhano, J., Castelo-Branco, M. & Sousa, T. (2022). An action-independent role for midfrontal theta activity prior to error commission. *Frontiers in Human Neuroscience, 16*, 805050. doi:10.3389/fnhum.2022.805080

Dias, C., Costa, D., Sousa, T., Castelhano, J., Figueiredo, V., Pereira, A. C., & Castelo-Branco, M. (2022). A neuronal theta band signature of error monitoring during integration of facial expression cues. *PeerJ, 10*, e12627. doi:10.7717/peerj.12627

Dias, C., Costa, D. M., Sousa, T., Castelhano, J., Figueiredo, V., Pereira, A. C., & Castelo-Branco, M. (2021). Classification of erroneous actions using EEG frequency features: implications for BCI performance. Annual International Conference of the IEEE Engineering in Medicine and Biology Society. *IEEE Engineering in Medicine and Biology Society. Annual International Conference*, 629-632. doi:10.1109/EMBC46164.2021.9630509

331/18 – "Frontostriatal neurophysiological underpins of decision-making"
Investigadores/*Researchers*: Hugo Leite-Almeida, Madalena Esteves, Marco Rafael Guimarães, Ana Margarida Cunha, Joana Mendes, Armando Almeida
Instituição/*Institution*: Life and Health Sciences Research Institute - ICVS, University of Minho, Braga (Portugal)
Duração prevista/*Estimated duration*: 2020/02 – 2024/04

Peer-reviewed publications

Esteves, M., Moreira, P. S., Sousa, N., & Leite-Almeida, H. (2021). Assessing impulsivity in humans and rodents: Taking the translational road. *Frontiers in Behavioral Neuroscience, 15*, 647922. doi:10.3389/fnbeh.2021.647922

334/18 – "Inducing lucid dreams with optimized sensory cues"
Investigadores/*Researchers*: Benjamin Baird, Giulio Tononi, Stephen LaBerge
Instituição/*Institution*: Department of Psychiatry, Wisconsin Institute for Sleep and Consciousness, University of Wisconsin – Madison (USA)
Duração/*Duration*: 2019/03 – 2022/10

Peer-reviewed publications

Baird, B., Tononi, G., & LaBerge, S. (2022). Lucid dreaming occurs in activated rapid eye movement sleep, not a mixture of sleep and wakefulness. *Sleep, 45*(4), zsab294. doi:10.1093/sleep/zsab294

Baird, B., Aparicio, M. K., Alauddin, T., Riedner, B., Boly, M., & Tononi, G. (2021). Episodic thought distinguishes spontaneous cognition in waking from REM and NREM sleep. *Consciousness and Cognition, 97*, 103247. doi:10.1016/j.concog.2021.103247

Baird, B., LaBerge, S., & Tononi, G. (2021). Two-way communication in lucid REM sleep dreaming. *Trends in Cognitive Sciences, 25*(6), 427– 428. doi:10.1016/j.tics.2021.04.004

LaBerge, S., Baird, B., & Zimbardo, P. G. (2018). Smooth tracking of visual targets distinguishes lucid REM sleep dreaming and waking perception from imagination. *Nature Communications, 9*: 3298. doi:10.1038/s41467-018-05547-0

336/18 – "Research-inspired cognitive empowerment: Modulating Episodic Memory through Egocentric Navigational Training (MEMENT)"
Investigadores/*Researchers*: Giorgia Committeri, Carlo Sestieri, Matteo Frisoni, Agustina Fragueiro, Annalisa Tosoni
Instituição/*Institution*: Department of Neuroscience, Imaging and Clinical sciences, Institute for Advanced Biomedical Technologies, University G. d' Annunzio of Chieti-Pescara (Italy)
Duração/*Duration*: 2021/09 – 2023/04

Peer-reviewed publications

Fragueiro, A., Tosoni, A., Boccia, M., Di Matteo, R., Sestieri, C. & Committeri, G. (2024). Reference frames for spatial navigation and declarative memory: Individual differences in performance support the phylogenetic continuity hypothesis. *Evolution and Human Behavior, 45*(1), 20-26. doi:10.1016/j.evolhumbehav.2023.08.001

Fragueiro, A., Tosoni, A., Di Matteo, R., & Committeri, G. (2023). Empowering episodic memory through a model-based egocentric navigational training. *Psychological Research, 87*(6), 1743–1752. doi:10.1007/s00426-022-01777-6

Altomare, E. C., Committeri, G., Di Matteo, R., Capotosto, P., & Tosoni, A. (2021). Automatic coding of environmental distance for walking-related locomotion in the foot-related sensory-motor system: A TMS study on macro-affordances. *Neuropsychologia, 150*: 107696. doi:10.1016/j.neuropsychologia.2020.107696

Fragueiro, A., Tosoni, A., Frisoni, M., Di Matteo, R., Sestieri, C., & Committeri, G. (2021). Travel in the Physical and Mental Space: A Behavioral Assessment of the Phylogenetic Continuity Hypothesis Between Egocentric Navigation and Episodic Memory. *Evolutionary Psychology, 19*(3), 14747049211040823. doi:10.1177/14747049211040823

Committeri, G., Fragueiro, A., Campanile, M. M., Lagatta, M., Burles, F., Iaria, G., Sestieri, C., & Tosoni, A. (2020). Egocentric navigation abilities predict episodic memory performance. *Frontiers in Human Neuroscience, 14*: 574224. doi:10.3389/fnhum.2020.574224

344/18 – "Encoding of the kinematics of observed actions in the responses of mirror neurons"

Investigador/*Researcher*: Antonino Casile

Instituição/*Institution*: Center for Translational Neurophysiology - CTNSC, Fondazione Istituto Italiano di Tecnologia, Genova (Italy)

Duração/*Duration*: 2019/04 – 2023/01

Peer-reviewed publications

Casile, A. (2022). Mirror neurons. In S. Della Sala (Ed.), *Encyclopedia of behavioral neuroscience* (2nd ed., Vol. 2, pp. 541–552). Elsevier. doi:10.1016/B978-0-12-819641-0.00130-4

Fregna, G., Schincaglia, N., Baroni, A., Straudi, S., & Casile, A. (2022). A novel immersive virtual reality environment for the motor rehabilitation of stroke patients: A feasibility study. *Frontiers in robotics and AI, 9*: 906424. doi:10.3389/frobt.2022.906424

Marini, M., & Casile, A. (2022). I can see my virtual body in a mirror: The role of visual perspective in changing implicit racial attitudes using virtual reality. *Frontiers in Psychology, 13*, 989582. doi:10.3389/fpsyg.2022.989582

347/18 – "Driving synaptic plasticity in motor-to-visual neural pathways to enhance action prediction"

Investigadores/*Researchers*: Alessio Avenanti, Marco Zanon

Instituição/*Institution*: Department of Psychology, Alma Mater Studiorum - Università di Bologna (Italy)

Duração/*Duration*: 2019/10 – 2023/06

Peer-reviewed publications

Ahumada-Méndez, F., Lucero, B., Avenanti, A., Saracini, C., Muñoz-Quezada, M., Cortés-Rivera, C., & Canales-Johnson, A. (2022). Affective modulation of cognitive control: A systematic review of EEG studies. *Physiology & Behavior, 249*, 113743. doi:10.1016/j.physbeh.2022.113743

Cristiano, A., Finisguerra, A., Urgesi, C., Avenanti, A., & Tidoni, E. (2023). Functional role of the theory of mind network in integrating mentalistic prior information with action kinematics during action observation. *Cortex, 166*, 107-120. doi:10.1016/j.cortex.2023.05.009

Pennisi, P., Salehinejad, M. A., Corso, A. M., Merlo, E. M., Avenanti, A., & Vicario, C. M. (2023). Delay discounting in Parkinson's disease: A systematic review and meta-analysis. *Behavioural Brain Research, 436*, 114101. doi:10.1016/j.bbr.2022.114101

Santarnecchi, E., & Avenanti, A. (2023). Cortico-cortical paired associative stimulation (ccPAS) over premotor-motor areas affects local circuitries in the human motor cortex via Hebbian plasticity. *NeuroImage, 271*, 120027. doi:10.1016/j.neuroimage.2023.120027

Spaccasassi, C., Cenka, K., Petkovic, S., & Avenanti, A. (2023). Sense of agency predicts severity of moral judgments. *Frontiers in Psychology, 13*, 1070742. doi:10.3389/fpsyg.2022.1070742

Trajkovic, J., Di Gregorio, F., Avenanti, A., Thut, G., & Romei, V. (2023). Two oscillatory correlates of attention control in the alpha-band with distinct consequences on perceptual gain and metacognition. *Journal of Neuroscience, 43*(19), 3548-3556. doi:10.1523/JNEUROSCI.1827-22.2023

Turrini, S., Bevacqua, N., Cataneo, A., Chiappini, E., Fiori, F., Battaglia, S., Romei, V., & Avenanti, A. (2023). Neurophysiological Markers of Premotor–Motor Network Plasticity Predict Motor Performance in Young and Older Adults. *Biomedicines, 11*(5), 1464. doi:10.3390/biomedicines11051464

Turrini, S., Bevacqua, N., Cataneo, A., Chiappini, E., Fiori, F., Candidi, M., & Avenanti, A. (2023). Transcranial cortico-cortical paired associative stimulation (ccPAS) over ventral premotor-motor pathways enhances action performance and corticomotor excitability in young adults more than in elderly adults. *Frontiers in Aging Neuroscience, 15*, 1119508. doi:10.3389/fnagi.2023.1119508

Vitale, F., Urrutia, M., Avenanti, A., & de Vega, M. (2023). You are fired! Exclusion words induce corticospinal modulations associated with vicarious pain. *Social Cognitive and Affective Neuroscience, 18*(1), nsad033. doi:10.1093/scan/nsad033

Chiappini, E., Sel, A., Hibbard, P. B., Avenanti, A., & Romei, V. (2022). Increasing interhemispheric connectivity between human visual motion areas uncovers asymmetric sensitivity to horizontal motion. *Current Biology, 32*(18), 4064-4070.e3. doi:10.1016/j.cub.2022.07.050

Di Gregorio, F., Trajkovic, J., Roperti, C., Marcantoni, E., Di Luzio, P., Avenanti, A., Thut, G., & Romei, V. (2022). Tuning alpha rhythms to shape conscious visual perception. *Current Biology, 32*, 1-11. doi:10.1016/j.cub.2022.01.003

Lucifora, C., Grasso, G., Nitsche, M., D'Italia, G., Sortino, M., Salehinejad, M., Falzone, A., Avenanti, A. & Vicario, C. (2022). Enhanced fear acquisition in individuals with evening chronotype. A virtual reality fear conditioning/extinction study. *Journal of Affective Disorders, 311*, 344-352. doi:10.1016/j.jad.2022.05.033

Spaccasassi, C., Zanon, M., Borgomaneri, S. & Avenanti, A. (2022). Mu rhythm and corticospinal excitability capture two different frames of motor resonance: A TMS-EEG co-registration study. *Cortex, 154*, 197-211. doi:10.1016/j.cortex.2022.04.019

Turrini, S., Fiori, F., Chiappini, E., Santarnecchi, E., Romei, V., & Avenanti, A. (2022). Gradual enhancement of corticomotor excitability during cortico-cortical paired associative stimulation. *Scientific Reports, 12*(1), 14670. doi:10.1038/s41598-022-18774-9

Vicario, C. M., Turrini, S., Lucifora, C., Culicetto, L., Ferraioli, F., Falzone, A., Nitsche, M. A., & Avenanti, A. (2022). When defeat leaves a bad taste in the mouth: Modulation of tongue corticobulbar output during monetary loss in a gambling task. *Brain Stimulation, 15*(6), 1448–1450. doi:10.1016/j.brs.2022.10.010

Vicario, C., Nitsche, M., & Avenanti, A. (2022). Tongue motor cortex: The back door of the reward system. *Neuroscience and Biobehavioral Reviews, 141,* 104820. doi:10.1016/j.neubiorev.2022.104820

Vitale, F., Monti, I., Padrón, I., Avenanti, A., & de Vega, M. (2022). The neural inhibition network is causally involved in the disembodiment effect of linguistic negation. *Cortex, 147*, 72-82. doi:10.1016/j.cortex.2021.11.015

Borgomaneri, S., Battaglia, S., Avenanti, A., & Pellegrino, G. D. (2021). Don't hurt me no more: State-dependent transcranial magnetic stimulation for the treatment of specific phobia. *Journal of Affective Disorders, 286*, 78-79. doi:10.1016/j.jad.2021.02.07610.1016/j.jad.2021.02.076

Borgomaneri, S., Vitale, F., Battaglia, S., & Avenanti, A. (2021). Early right motor cortex response to happy and fearful facial expressions: A TMS motor-evoked potential study. *Brain Sciences, 11*(9), 1203. doi:10.3390/brainsci11091203

Botta, A., Lagravinese, G., Bove, M., Avenanti, A., & Avanzino, L. (2021). Modulation of response times during processing of emotional body language. *Frontiers in Psychology, 12*: 616995. doi:10.3389/fpsyg.2021.616995

Oldrati, V., Finisguerra, A., Avenanti, A., Aglioti, S. M., & Urgesi, C. (2021). Differential influence of the dorsal premotor and primary somatosensory cortex on corticospinal excitability during kinesthetic and visual motor imagery: A low-frequency repetitive transcranial magnetic stimulation study. *Brain Sciences, 11*(9), 1196. doi:10.3390/brainsci11091196

Borgomaneri, S., Battaglia, S., Garofalo, S., Tortora, F., Avenanti, A., & di Pellegrino, G. (2020). State-dependent TMS over prefrontal cortex disrupts fear-memory reconsolidation and prevents the return of fear [published online ahead of print, 2020 Jul 23]. *Current Biology*. doi:10.1016/j.cub.2020.06.091

Borgomaneri, S., Bolloni, C., Sessa, P., & Avenanti, A. (2020) Blocking facial mimicry affects recognition of facial and body expressions. *PLoS ONE, 15*(2): e0229364. doi:10.1371/journal.pone.0229364

Borgomaneri, S., Vitale, F., & Avenanti, A. (2020). Early motor reactivity to observed human body postures is affected by body expression, not gender. *Neuropsychologia*. doi:10.1016/j.neuropsychologia.2020.107541

Breveglieri, R., Bosco, A., Borgomaneri, S., Tessari, A., Galletti, C., Avenanti, A., & Fattori, P. (2020). Transcranial magnetic stimulation over the human medial posterior parietal cortex disrupts depth encoding during reach planning. *Cerebral Cortex, bhaa224*. doi:10.1093/cercor/bhaa224

Chiappini, E., Borgomaneri, S., Marangon, M., Turrini, S., Romei, V., & Avenanti, A. (2020). Driving associative plasticity in premotor-motor connections through a novel paired associative stimulation based on long-latency cortico-cortical interactions. *Brain Stimulation, 13*(5), 1461-1463. doi:10.1016/j.brs.2020.08.003

Decroix, J., Borgomaneri, S., Kalénine, S., & Avenanti, A. (2020). State-dependent TMS of inferior frontal and parietal cortices highlights integration of grip configuration and functional goals during action recognition. *Cortex*. doi:10.1016/j.cortex.2020.08.004

Vicario, C. M., Rafal, R. D., di Pellegrino, G., Lucifora, C., Salehinejadm M. A., Nitsche, M. A., & Avenanti, A. (2020). Indignation for moral violations suppresses the tongue motor cortex: preliminary TMS evidence. *Social Cognitive and Affective Neuroscience, nsaa036*. doi:10.1093/scan/nsaa036

Vitale, F., Padrón, I., Avenanti, A., & de Vega, M. (2021). Enhancing motor brain activity improves memory for action language: A tDCS study. *Cerebral Cortex, 31*(3), 1569-1581. doi:10.1093/cercor/bhaa309

355/18 – "The implicit cognition of interpersonal attraction"
Investigadores/*Researchers*: Joana Arantes, John Wearden, Mavilde Arantes, Emanuel Albuquerque
Instituição/*Institution*: Psychology Research Center - CIPsi, School of Psychology, University of Minho, Braga (Portugal)
Duração/*Duration*: 2019/05 – 2024/02

Peer-reviewed publications

Arantes, J., Pinho, M., Wearden, J., & Albuquerque, P. B. (2021). "Time slows down whenever you are around" for women but not for men. *Frontiers in Psychology, 12*, 641729. doi:10.3389/fpsyg.2021.641729

356/18 – "Neural mechanisms underlying unconscious working memory"
Investigadores/*Researchers*: Albert Compte, João Barbosa, Josep Valls-Sole
Instituição/*Institution*: Institut d'investigacions Biomèdiques August Pi i Sunyer - IDIBAPS, Barcelona (Spain)
Duração/*Duration*: 2019/05 – 2021/09

Peer-reviewed publications

Barbosa, J., Stein, H., Zorowitz, S., Niv, Y., Summerfield, C., Soto-Faraco, S., & Hyafil, A. (2022). A practical guide for studying human behavior in the lab. *Behavior Research Methods.* doi:10.3758/s13428-022-01793-9

Barbosa, J., Lozano-Soldevilla, D., & Compte, A. (2021). Pinging the brain with visual impulses reveals electrically active, not activity-silent working memories. *PLoS Biology, 19*(10): e3001436. doi:10.1371/journal.pbio.3001436.

Barbosa, J., Babushkin, V., Temudo, A., Sreenivasan, K. K., & Compte, A. (2021). Across-area synchronization supports feature integration in a biophysical network model of working memory. *Frontiers in Neural Circuits, 15*, 716965. doi:10.3389/fncir.2021.716965

Barbosa, J., & Compte, A. (2020). Build-up of serial dependence in color working memory. *Scientific Reports, 10*: 10959. doi:10.1038/s41598-020-67861-2

Barbosa, J., Stein, H., Martinez, R. L., Galan-Gadea, A., Li, S., Dalmau, J., ... Compte, A. (2020). Interplay between persistent activity and activity-silent dynamics in the prefrontal cortex underlies serial biases in working memory. *Nature Neuroscience, 23*, 1016-1024. doi:10.1038/s41593-020-0644-4

Stein, H., Barbosa, J., Rosa-Justicia, M., Prades, L., Morató, A., Galan-Gadea, A., Ariño, H., Martinez-Hernandez, E., Castro-Fornieles, J., Dalmau, J., & Compte, A. (2020). Reduced serial dependence suggests deficits in synaptic potentiation in anti-NMDAR encephalitis and schizophrenia. *Nature communications, 11*: 4250. doi:10.1038/s41467-020-18033-3

359/18 – "A Comparison of NN-DMT, Changa & 5-MeO-DMT and the Near-death Experience: Qualitative analyses and reviews of the neuroscience"
Investigadores/*Researchers*: Pascal Michael, David Luke
Instituição/*Institution*: Department of Psychology, Social Work and Counselling, Greenwich University, London (UK); Psychedelic Research Group, Imperial College London (UK)
Duração prevista/*Estimated duration*: 2020/01 – 2024/04

Peer-reviewed publications

Michael, P., Luke, D., & Robinson, O. (in press). Smokable "vine of the dead": Two case studies of experiencers of both a changa and near-death experience. *The International Journal of Transpersonal Studies.*

Michael, P., Luke, D., & Robinson, O. (2023). This is your brain on death: a comparative analysis of a near-death experience and subsequent 5-Methoxy-DMT experience. *Frontiers in Psychology, 14*: 1083361. doi:10.3389/fpsyg.2023.1083361

Michael, P., Luke, D., & Robinson, O. (2021). An encounter with the other: A thematic and content analysis of DMT experiences from a naturalistic field study. *Frontiers in Psychology, 12*:720717. doi:10.3389/fpsyg.2021.720717

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361/18 – "When style matters: Do oculomotor fingerprint and brain dynamics explain visual exploration and memory strategies?"
Investigadores/*Researchers*: Maurizio Corbetta, Andrea Zangrossi
Instituição/*Institution*: Venetian Institute of Molecular Medicine - VIMM, Fondazione per la Ricerca Biomedica Avanzata, Padova (Italy); Padova Neuroscience Center – PNC, Università di Padova (Italy)
Duração/*Duration*: 2019/04 – 2023/11

Peer-reviewed publications

Manjunatha, K. K. H., Baron, G., Benozzo, D., Silvestri, E., Corbetta, M., Chiuso, A., Bertoldo, A., Suweis, S., & Allegra, M. (2024). Controlling target brain regions by optimal selection of input nodes. *PLoS Computational Biology, 20*(1), e1011274. doi:10.1371/journal.pcbi.1011274

Alves, P. N., Forkel, S. J., Corbetta, M., & Thiebaut de Schotten, M. (2022). The subcortical and neurochemical organization of the ventral and dorsal attention networks. *Communications Biology, 5*(1), 1343. doi:10.1038/s42003-022-04281-0

Bisogno, A. L., Franco Novelletto, L., Zangrossi, A., De Pellegrin, S., Facchini, S., Basile, A. M., Baracchini, C., & Corbetta, M. (2023). The Oxford cognitive screen (OCS) as an acute predictor of long-term functional outcome in a prospective sample of stroke patients. *Cortex, 166*, 33-42. doi:10.1016/j.cortex.2023.04.015

Facchini, S., Favaretto, C., Castellaro, M., Zangrossi, A., Zannin, M., Bisogno, A. L., Baro, V., Anglani, M. G., Vallesi, A., Baracchini, C., D'Avella, D., Della Puppa, A., Semenza, C., & Corbetta, M. (2023). A common low dimensional structure of cognitive impairment in stroke and brain tumors. *NeuroImage: Clinical, 40*, 103518. doi:10.1016/j.nicl.2023.103518

Monai, E., Pini, L., Palacino, F., Bisio, M., Bernocchi, F., Salvalaggio, A., & Corbetta, M. (2023). Convergence of visual and motor awareness in human parietal cortex. *Annals of Neurology*, 10.1002/ana.26791. Advance online publication. doi:10.1002/ana.26791

Monai, E., Silvestri, E., Bisio, M., Cagnin, A., Aiello, M., Cecchin, D., Bertoldo, A., & Corbetta, M. (2023). Case report: Multiple disconnection patterns revealed by a multi-modal analysis explained behavior after a focal frontal damage. Frontiers in Neurology, 14, 1142734. doi:10.3389/fneur.2023.1142734

Murphy, D., Cornfield, E., Higginson, A., Norman, A., Long, R., & Noad, R. (2023). Oxford cognitive screen: A critical review and independent psychometric evaluation. *Journal of Neuropsychology*, *17*(3), 491–504. doi:10.1111/jnp.12318

Pini, L., Bisogno, A. L., Salvalaggio, A., Shulman, G. L., & Corbetta, M. (2023). The correlation of behavioural deficits post-stroke: A trivial issue? *Brain*, *146*(10), e83–e85. doi:10.1093/brain/awad173

Pini, L., Salvalaggio, A., Wennberg, A. M., Dimakou, A., Matteoli, M., & Corbetta, M. (2023). The pollutome-connectome axis: A putative mechanism to explain pollution effects on neurodegeneration. *Ageing Research Reviews, 86*, 101867. doi:10.1016/j.arr.2023.101867

Salvalaggio, A., Pini, L., Gaiola, M., Velco, A., Sansone, G., Anglani, M., Fekonja, L., Chioffi, F., Picht, T., Thiebaut de Schotten, M., Zagonel, V., Lombardi, G., D'Avella, D., & Corbetta, M. (2023). White Matter Tract Density Index Prediction Model of Overall Survival in Glioblastoma. *JAMA Neurology*, *80*(11), 1222–1231. doi:10.1001/jamaneurol.2023.3284

Sansone, G., Pini, L., Salvalaggio, A., Gaiola, M., Volpin, F., Baro, V., Padovan, M., Anglani, M., Facchini, S., Chioffi, F., Zagonel, V., D'Avella, D., Denaro, L., Lombardi, G., & Corbetta, M. (2023). Patterns of gray and white matter functional networks involvement in glioblastoma patients: indirect mapping from clinical MRI scans. *Frontiers in Neurology, 14*, 1175576. doi:10.3389/fneur.2023.1175576

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Celli, M., Mazzonetto, I., Zangrossi, A., Bertoldo, A., Cona, G., & Corbetta, M. (2022). One-year-later spontaneous EEG features predict visual exploratory human phenotypes. *Communications Biology, 5*(1), 1361. doi:10.1038/s42003-022-04294-9

Idesis, S., Faskowitz, J., Betzel, R., Corbetta, M., Sporns, O. & Deco, G. (2022). Edge-centric analysis of stroke patients. An alternative approach for biomarkers of lesion recovery. *NeuroImage: Clinical, 35*, 103055. doi:10.1016/j.nicl.2022.103055

Idesis, S., Favaretto, C., Metcalf, N. V., Griffis, J. C., Shulman, G. L., Corbetta, M., & Deco, G. (2022). Inferring the dynamical effects of stroke lesions through whole-brain modeling. *NeuroImage: Clinical, 36*, 103233. doi:10.1016/j.nicl.2022.103233

Liven, T., Kim, D., Metcalf, N., Zhang, L., Pini, L., Shulman, G., & Corbetta, M. (2022). Spontaneous activity patterns in human motor cortex replay evoked activity patterns for hand movements. *Scientific Reports, 12*(1), 16867. doi:10.1038/s41598-022-20866-5

Siegel, J. S., Shulman, G. L., & Corbetta, M. (2022). Mapping correlated neurological deficits after stroke to distributed brain networks. *Brain Structure and Function*. doi:10.1007/s00429-022-02525-7

Zangrossi, A., Silvestri, E., Bisio, M., Bertoldo, A., De Pellegrin, S., Vallesi, A., Della Puppa, A., D'Avella, D., Denaro, L., Scienza, R., Mondini, S., Semenza, C., & Corbetta (2022). Presurgircal predictors of early cognitive outcome afetr brain tumor resection in glioma patients. *NeuroImage: Clinical, 36*, 103219. doi:10.1016/j.nicl.2022.103219

Pini, L., Salvalaggio, A., de Grazia, M., Zorzi, M., de Schotten, M. & Corbetta, M. (2021). A novel stroke lesion network mapping approach: Improved accuracy yet still low deficit prediction. *Brain Communications, 3*(4), fcab259. doi:10.1093/braincomms/fcab259

Pini, L., Wennberg, A. M., Salvalaggio, A., Vallesi, A., Pievani, M., & Corbetta, M. (2021). Breakdown of specific functional brain networks in clinical variants of Alzheimer's disease. *Ageing Research Reviews, 72*: 101482. doi:10.1016/j.arr.2021.101482

Zangrossi, A., Cona, G., Celli, M., Zorzi, M., & Corbetta, M. (2021). Visual exploration dynamics are low-dimensional and driven by intrinsic factors. *Communications Biology, 4*: 1100. doi:10.1038/s42003-021-02608-x

Betti, V., Penna, S. D., de Pasquale, F., & Corbetta, M. (2020). Spontaneous beta band rhythms in the predictive coding of natural stimuli. *The Neuroscientist*. doi:10.1177/1073858420928988

Publicações revistas por pares – Apoios à Investigação Científica 2020/21
Peer-reviewed publications – Grant for Scientific Research 2020/21

24/20 – "World-relative object motion: How the brain detects object motion while we are moving"
Investigador/*Researcher*: Valentina Sulpizio
Instituição/*Institution*: IRCCS Fondazione Santa Lucia, Rome (Italy)
Duração/*Duration*: 2021/10 – 2024/01

Peer-reviewed publications

Sulpizio, V., von Gal, A., Galati, G., Fattori, P., Galletti, C., & Pitzalis, S. (2024). Neural sensitivity to translational self- and object-motion velocities. *Human Brain Mapping, 45*(1), e26571. doi:10.1002/hbm.26571

30/20 – "Exploring the role of 'Enchantment' in psi phenomena"
Investigadores/*Researchers*: Rense Lange, James Houran
Instituição/*Institution*: Integrated Knowledge Systems – IKS, Chatham (USA); ISLA – Instituto Politécnico de Gestão e Tecnologia, Vila Nova de Gaia (Portugal)
Duração/*Duration*: 2021/07 – 2022/07

Peer-reviewed publications

Houran, J., Laythe, B., Lange, R., Hanks, M., & Ironside, R. (2023). Immersive study of Gestalt variables in uncanny geographies. *Journal of the Society for Psychical Research, 87*, 65-100.

Lange, R., Laythe, B., & Houran, J. (2023). Preregistered field test of an 'enchantment-psi' loop. *Journal of Parapsychology, 87*, 11-34. doi:10.30891/jopar.2023.01.03

Lange, R., & Houran, J. (2021). Replicable survey evidence for a 'psi-enchantment' loop. *Journal of Transpersonal Psychology, 53*, 140-156.

Laythe, B., Houran, J., Lange, R., & Boussoffara, M. A. (2021). A 'multi-event sensor app' (MESA 3.0) for environmental studies of exceptional human experiences. *Australian Journal of Parapsychology, 21*, 128-162.

36/20 – "The role of non-verbal behaviour on placebo and nocebo effects. Psychophysiological experiments"
Investigadores/*Researchers*: Magne Arve Flaten, Hojjat Daniali, Per Aslaksen, Ted Kaptchuk, Mollie Ruben
Instituição/*Institution*: Department of Psychology, Norwegian University of Science and Technology, Trondheim (Norway); University of Tromsø (Norway); Harvard Medical School, Boston (USA)
Duração prevista/*Estimated duration*: 2021/02 – 2024/04

Peer-reviewed publications

Daniali, H., Martinussen, M., & Flaten, M. A. (2023). A global meta-analysis of depression, anxiety, and stress before and during COVID-19. *Health Psychology, 42*(2), 124-138. doi:10.1037/hea0001259

Daniali, H., Ruben, M. A., & Flaten, M. A. (2023). Systematic manipulation of experimenters' non-verbal behaviors for the investigation of pain reports and placebo effects. *Frontiers in Psychology, 14*, 1248127. doi:10.3389/fpsyg.2023.1248127

41/20 – "Luminous dancing fairies in weightlessness: How gravity shapes conscious experiences"
Investigador/*Researcher*: Elisa Ferrè
Instituição/*Institution*: Department of Psychological Sciences, Birkbeck, University of London (UK)
Duração prevista/*Estimated duration*: 2021/12 – 2024/12

Peer-reviewed publications

Arshad, I., Gallagher, M., & Ferrè, E. R. (2023). Visuo-vestibular conflicts within the roll plane modulate multisensory verticality perception. *Neuroscience Letters, 792*: 136963. doi:10.1016/j.neulet.2022.136963

Bliss, L., Vasas, V., Freeland, L., Roach, R., Ferrè, E. R., & Versace, E. (2023). A spontaneous gravity prior: Newborn chicks prefer stimuli that move against gravity. *Biology Letters, 19*(2), 20220502. doi:10.1098/rsbl.2022.0502

Ferrè, E. R., Joel, J., Cadete, D., & Longo, M. R. (2023). Systematic underestimation of human hand weight. *Current Biology, 33*(14), R758–R759. doi:10.1016/j.cub.2023.05.041

Zanchi, S., Cuturi, L. F., Sandini, G., Gori, M., & Ferrè, E. R. (2023). Spatial sensory references for vestibular self-motion perception. *Multisensory Research*, 1–14. Advance online publication. doi:10.1163/22134808-bja10117

Zanchi, S., Cuturi, L. F., Sandini, G., Gori, M., & Ferrè, E. R. (2023). Vestibular contribution to spatial encoding. *The European Journal of Neuroscience*, *58*(9), 4034–4042. doi:10.1111/ejn.16146

Arshad, I. & Ferré, E. (2022). Cognition in zero gravity: Effects of non-terrestrial gravity on human behaviour. *Quarterly Journal of Experimental Psychology, 76*(5), 979-994. doi:10.1177/17470218221113935

47/20 – "Fear in action: How Pavlovian fear learning shapes goal-directed motor responses"
Investigadores/*Researchers*: Francesca Starita, Giuseppe di Pellegrino
Instituição/*Institution*: Centre for Studies and Research in Cognitive Neuroscience – CsrNC, Department of Psychology, University of Bologna (Italy)
Duração prevista/*Estimated duration*: 2021/03 – 2024/04

Peer-reviewed publications

Starita, F., Stussi, Y., Garofalo, S., & Terenzi, D. (2024). Editorial: The neurobiological and cognitive underpinnings of appetitive and aversive motivation. *Frontiers in Behavioral Neuroscience, 18*, 1383393. doi:10.3389/fnbeh.2024.1383393

Pirazzini, G., Starita, F., Ricci, G., Garofalo, S., di Pellegrino, G., Magosso, E., & Ursino, M. (2023). Changes in brain rhythms and connectivity tracking fear acquisition and reversal. *Brain Structure & Function*, 228(5), 1259-1281. doi:10.1007/s00429-023-02646-7

Starita, F., Stussi, Y., Garofalo, S., & di Pellegrino, G. (2023). Threat learning in space: How stimulus-outcome spatial compatibility modulates conditioned skin conductance response. International *Journal of Psychophysiology*, *190*, 30–41. doi:10.1016/j.ijpsycho.2023.06.003

Degni, L. A. E., Dalbagno, D., Starita, F., Benassi, M., di Pellegrino, G., & Garofalo, S. (2022). General pavlovian-to-instrumental transfer in humans: Evidence from Bayesian inference. *Frontiers in Behavioral Neuroscience, 16*, 945503. doi:10.3389/fnbeh.2022.945503

Starita, F., Garofalo, S., Dalbagno, D., Degni, L. A. E., & di Pellegrino, G. (2022). Pavlovian threat learning shapes the kinematics of action. *Frontiers in Psychology, 13*, 1005656. doi:10.3389/fpsyg.2022.1005656

Starita, F., Pirazzini, G., Ricci, G., Garofalo, S., Dalbagno, D., Degni, L. A. E., Di Pellegrino, G., Magosso, E., & Ursino, M. (2023). Theta and alpha power track the acquisition and reversal of threat predictions and correlate with skin conductance response. *Psychophysiology, 60*(7), e14247. doi:10.1111/psyp.14247

Sellitto, M., Terenz,i D., Starita, F., di Pellegrino, G. & Battaglia, S. (2022). The cost of imagined actions in a reward-valuation task. *Brain Sciences, 12*(5), 582. doi:10.3390/brainsci12050582

74/20 – "The social code in cingulate-hippocampal circuits: The role of memory in social contests"
Investigadores/*Researchers*: Emanuel Fernandes, João Peça, Carolina Kunicki, Joana Guedes, Ana Cardoso
Instituição/*Institution*: Center for Neuroscience and Cell Biology, University of Coimbra (Portugal)
Duração prevista/*Estimated duration*: 2021/02 – 2024/07

Peer-reviewed publications

Ferreira-Fernandes, E., Laranjo, M., Reis, T., Canijo, B., Ferreira, P. A., Martins, P., Vilarinho, J., Tavakoli, M., Kunicki, C., & Peça, J. (2023). In vivo recordings in freely behaving mice using independent silicon probes targeting multiple brain regions. *Frontiers in Neural Circuits, 17*, 1293620. doi:10.3389/fncir.2023.1293620

Ferreira-Fernandes, E. & Peça, J. (2022). The neural circuit architecture of social hierarchy in rodents and primates. *Frontiers in Cellular Neuroscience,* 16. doi:10.3389/fncel.2022.874310

75/20 – "Psychophysiology of highly superior autobiographical memory: Shedding light on the mind of people who never forget"
Investigadores/*Researchers*: Valerio Santangelo, Sabrina Fagioli
Instituição/*Institution*: Department of Phylosophy, Social Sciences & Education, University of Perugia (Italy); Roma Tre University (Italy)
Duração prevista/*Estimated duration*: 2021/09 – 2024/09

Peer-reviewed publications

Daviddi, S., Mastroberardino, S., St Jacques, P. L., Schacter, D. L., & Santangelo, V. (2022). Remembering a Virtual Museum Tour: Viewing Time, Memory Reactivation, and Memory Distortion. *Frontiers in Psychology, 13*, 869336. doi:10.3389/fpsyg.2022.869336

Daviddi, S., Orwig, W., Palmiero, M., Campolongo, P., Schacter, D. L., & Santangelo, V. (2022). Individuals with highly superior autobiographical memory do not show enhanced creative thinking. *Memory, 30*(9), 1148–1157. doi:10.1080/09658211.2022.2094416

Santangelo, V. (2022). On the contribution of the ventromedial prefrontal cortex to the neural representation of past memories. *Cognitive Neuroscience, 13*(3-4), 154-155. doi:10.1080/17588928.2022.2076072

Santangelo, V., Macrì, S., & Campolongo, P. (2022). Superior memory as a new perspective to tackle memory loss. *Neuroscience and Biobehavioral Reviews, 141*, 104828. doi:10.1016/j.neubiorev.2022.104828

79/20 – "Redefining the boundaries between cognition and action through the psychophysiological investigation of binary decisions"
Investigadores/*Researchers*: Michele Scaltritti, Simone Sulpizio
Instituição/*Institution*: Department of Psychology and Cognitive Science, University of Trento, Rovereto (Italy); Università degli Studi di Milano-Bicocca (Italy)
Duração/*Duration*: 2021/02 – 2023/09

Peer-reviewed publications

Scaltritti, M., Giacomoni, F., Job, R., & Sulpizio, S. (2023). Redefining the decisional components of motor responses: Evidence from lexical and object decision tasks. *Journal of Experimental Psychology: Human Perception and Performance, 49*(6), 835-851. doi:10.1037/xhp0001113

Scaltritti, M., Greatti, E., & Sulpizio, S. (2023). Electrophysiological evidence of discontinuities in the propagation of lexical decision processes across the motor hierarchy. *Neuropsychologia, 188*, 108630. doi:10.1016/j.neuropsychologia.2023.108630

80/20 – "Mindfulness meditation state and trait through the eyes of brain computational modelling"
Investigadores/*Researchers*: Laura Marzetti
Instituição/*Institution*: Department of Neurosciences, Imaging and Clinical Sciences, Università degli Studi G. d'Annunzion Chieti – Pescara (Italy)
Duração prevista/*Estimated duration*: 2021/10 – 2025/03

Peer-reviewed publications

D'Andrea, A., Croce, P., O'Byrne, J., Jerbi, K., Pascarella, A., Raffone, A., Pizzella, V., & Marzetti, L. (2024). Mindfulness meditation styles differently modulate source-level MEG

microstate dynamics and complexity. *Frontiers in Neuroscience, 18*, 1295615. doi:10.3389/fnins.2024.1295615

Guidotti, R., D'Andrea, A., Basti, A., Raffone, A., Pizzella, V., & Marzetti, L. (2023). Long-term and meditation-specific modulations of brain connectivity revealed through multivariate pattern analysis. *Brain Topography, 36*(3), 409-418. doi:10.1007/s10548-023-00950-3

Basti, A., Chella, F., Guidotti, R., Ermolova, M., D'Andrea, A., Stenroos, M., … Marzetti, L. (2022). Looking through the windows: A study about the dependency of phase-coupling estimates on the data length. *Journal of Neural Engineering, 19*(1). doi:10.1088/1741-2552/ac542f

D'Andrea, A., Basti, A., Tosoni, A., Guidotti, R., Chella, F., Michelmann, S., Romani, G. L., Pizzella, V., & Marzetti, L. (2022). Magnetoencephalographic spectral fingerprints differentiate evidence accumulation from saccadic motor preparation in perceptual decision-making. *iScience, 25*(10), 105246. doi:10.1016/j.isci.2022.105246

91/20 – "Mentation report analysis across distinct states of consciousness: A linguistic approach"

Investigadores/*Researchers*: Giulio Bernardi, Giulia Avvenuti, Michele Bellesi, Valentina Elce, Emanuela Merelli

Instituição/*Institution*: IMT School for Advanced Studies, Lucca (Italy); University of Camerino (Italy)

Duração/*Duration*: 2021/02 – 2024/01

Peer-reviewed publications

Salvesen, L., Capriglia, E., Dresler, M., & Bernardi, G. (2024). Influencing dreams through sensory stimulation: A systematic review. *Sleep Medicine Reviews, 74*, 101908. Advance online publication. doi:10.1016/j.smrv.2024.101908

Elce, V., Handjaras, G., & Bernardi, G. (2021). The language of dreams: Application of linguistics-based approaches for the automated analysis of dream experiences. *Clocks & Sleep, 3*(3), 495–514. doi:10.3390/clockssleep3030035

99/20 – "Beyond 'mindfulness' and toward a modern science of meditative mastery and spiritual transformation"

Investigadores/*Researchers*: Matthew Sacchet, Diego Pizzagalli, Remko van Lutterveld, Marta Biancardi

Instituição/*Institution*: Center for Depression, Anxiety, and Stress Research – CDASR, McLean Hospital, Belmont (USA)

Duração/*Duration*: 2021/04 – 2024/02

Peer-reviewed publications

Sacchet, M. D., Keshava, P., Walsh, S. W., Potash, R. M., Li, M., Liu, H., & Pizzagalli, D. A. (2024). Individualized functional brain system topologies and major depression: Relations among patch sizes and clinical profiles and behavior. *Biological psychiatry. Cognitive Neuroscience and Neuroimaging*, S2451-9022(24)00062-4. Advance online publication. doi:10.1016/j.bpsc.2024.02.011

Bishop, J. H., Geoly, A., Khan, N., Tischler, C., Krueger, R., Keshava, P., Amin, H., Baltusis, L., Wu, H., Spiegel, D., Williams, N., & Sacchet, M. D. (2023). Real-time semi-automated and automated voxel placement using fMRI targets for repeated acquisition magnetic resonance spectroscopy. *Journal of Neuroscience Methods*, *392*, 109853. doi:10.1016/j.jneumeth.2023.109853

Chowdhury, A., Lutterveld, R. V., Laukkonen, R. E., Slagter, H. A., Ingram, D. M., & Sacchet, M. D. (2023). Investigation of advanced mindfulness meditation "cessation" experiences using EEG spectral analysis in an intensively sampled case study. *Neuropsychologia*, *190,* 108694. doi:10.1016/j.neuropsychologia.2023.108694

Galante, J., Grabovac, A., Wright, M., Ingram, D. M., Van Dam, N. T., Sanguinetti, J. L., Sparby, T., van Lutterveld, R., & Sacchet, M. D. (2023). A framework for the empirical investigation of mindfulness meditative development. *Mindfulness, 14*(5), 1054-1067. doi:10.1007/s12671-023-02113-8

Laukkonen, R. E., Sacchet, M. D., Barendregt, H., Devaney, K. J., Chowdhury, A., & Slagter, H. A. (2023). Cessations of consciousness in meditation: Advancing a scientific understanding of nirodha samapatti. *Progress in Brain Research*, *280*, 61–87. doi:10.1016/bs.pbr.2022.12.007

Rosmarin, D. H., Chowdhury, A., Pizzagalli, D, A., & Sacchet, M. D. (2023). In God we trust: Effects of spirituality and religion on economic decision making. *Personality and Individual Differences, 214*: 112350. doi:10.1016/j.paid.2023.112350

Yang, W. F. Z., Chowdhury, A., Bianciardi, M., van Lutterveld, R., Sparby, T., & Sacchet, M. D. (2024). Intensive whole-brain 7T MRI case study of volitional control of brain activity in deep absorptive meditation states. *Cerebral Cortex*, *34*(1), bhad408. doi:10.1093/cercor/bhad408

Rosmarin, D. H., Kaufman, C. C., Ford, S. F., Keshava, P., Drury, M., Minns, S., Marmarosh, C., Chowdhury, A., & Sacchet, M. D. (2022). The neuroscience of spirituality, religion, and mental health: A systematic review and synthesis. *Journal of Psychiatric Research, 156*, 100–113. doi:10.1016/j.jpsychires.2022.10.003

Sezer, I., Pizzagalli, D. & Sacchet, M. (2022). Resting-state fMRI functional connectivity and mindfulness in clinical and non-clinical contexts: A review and synthesis. *Neuroscience & Biobehavioral Reviews, 135*, 104583. doi:10.1016/j.neubiorev.2022.104583

Sparby, T., & Sacchet, M. D. (2022). Defining Meditation: Foundations for an Activity-Based Phenomenological Classification System. *Frontiers in Psychology, 12*, 795077. doi:10.3389/fpsyg.2021.795077

100/20 – "Zooming in on the true neural mechanisms of phenomenal consciousness"
Investigadores/*Researchers*: Simon van Gaal, Andres Canales-Johnson, Robin Ince, Srivas Chennu
Instituição/*Institution*: Amsterdam, Brain and Cognition - ABC, University of Amsterdam (The Netherlands); Cambridge University (UK)
Duração/*Duration*: 2021/04 – 2024/02

Peer-reviewed publications

Canales-Johnson, A., Beerendonk, L., Chennu, S., Davidson, M. J., Ince, R. A. A., & van Gaal, S. (2023). Feedback information transfer in the human brain reflects bistable perception in the absence of report. *PLoS Biology, 21*(5), e3002120. doi:10.1371/journal.pbio.3002120

Vinck, M., Uran, C., Spyropoulos, G., Onorato, I., Broggini, A. C., Schneider, M., & Canales-Johnson, A. (2023). Principles of large-scale neural interactions. *Neuron, 111*(7), 987–1002. doi:10.1016/j.neuron.2023.03.015

107/20 – "Attitudes and beliefs as predictors of psi effects in a pseudo-gambling task"
Investigador/*Researcher*: Lance Storm
Instituição/*Institution*: School of Psychology, University of Adelaide (Australia)
Duração/*Duration*: 2022/01 – 2023/11

Peer-reviewed publications

Storm, L. (in press). Attitudes and beliefs as predictors of psi effects in a pseudo-gambling task. *Journal of Parapsychology*.

108/20 – "A telephone telepathy study: Does genetic relatedness influence psychic abilities?"
Investigado/*Researcher*: Helané Wahbeh
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma (USA)
Duração/*Duration*: 2021/03 – 2023/09

Peer-reviewed publications

Wahbeh, H., Cannard, C., Radin, D., & Delorme, A. (2024). Who's calling? Evaluating the accuracy of guessing who is on the phone. *Explore, 20*(2), 239–247. doi:10.1016/j.explore.2023.08.008

123/20 – "A latent profile analysis and structural equation modelling of paranormal belief, psychopathological symptoms, and well-being"
Investigadores/*Researchers*: Andrew Denovan, Neil Dagnall
Instituição/*Institution*: Health, Psychology and Communities, Manchester Metropolitan University (UK)
Duração/*Duration*: 2021/02 – 2023/06

Peer-reviewed publications

Dagnall, N., Denovan, A., & Drinkwater, K. G. (2023). Longitudinal assessment of the temporal stability and predictive validity of the Revised Paranormal Belief Scale. *Frontiers in Psychology, 13*, 1094701. doi:10.3389/fpsyg.2022.1094701

Dagnall, N., Denovan, A., & Drinkwater, K. (2022). Paranormal belief, cognitive-perceptual factors, and well-being: A network analysis. *Frontiers in Psychology, 13,* 967823. doi:10.3389/fpsyg.2022.967823

Dagnall, N., Denovan, A., & Drinkwater, K. G. (2022). Variations in well-being as a function of paranormal belief and psychopathological symptoms: A latent profile analysis. *Frontiers in Psychology, 13*, 886369. doi:10.3389/fpsyg.2022.886369

Dagnall, N., Denovan, A., Drinkwater, K. G., & Escolà-Gascón, Á. (2022). Paranormal belief and well-being: The moderating roles of transliminality and psychopathology-related facets. *Frontiers in Psychology,* 13, 915860. doi:10.3389/fpsyg.2022.915860

140/20 – "Stimulating compassion: Using transcutaneous vagus nerve stimulation (tVNS) to probe compassionate behaviour"
Investigador/*Researcher:* Sunjeev Kamboj
Instituição/*Institution*: Department Clinical, Educational and Health Psychology, University College London (UK)
Duração prevista/*Estimated duration*: 2022/02 – 2024/04

Peer-reviewed publications

Kamboj, S. K., Peniket, M., & Simeonov, L. (2023). A bioelectronic route to compassion: Rationale and study protocol for combining transcutaneous vagus nerve stimulation (tVNS) with compassionate mental imagery. *PloS ONE, 18*(3): e0282861. doi:10.1371/journal.pone.0282861

146/20 – "The me and the I: Dissociating ownership and agency in sensorimotor processing"
Investigadores/*Researchers*: Ana Pinheiro, Sonja Kotz, Michael Scwartze
Instituição/*Institution*: Centro de Investigação em Ciência Psicológica – CICPSI, Faculdade de Psicologia da Universidade de Lisboa (Portugal); Faculty of Psychology and Neuroscience, University of Maastricht (The Netherlands)
Duração prevista/*Estimated duration*: 2021/09 – 2024/08

Peer-reviewed publications

Pinheiro, A. P., Sarzedas, J., Roberto, M. S., & Kotz, S. A. (2023). Attention and emotion shape self-voice prioritization in speech processing. *Cortex, 158*, 83-95. doi:10.1016/j.cortex.2022.10.006

149/20 – "Uncertainty as an elicitor or modulator of emotion and associated psychophysiology"
Investigadores/*Researchers*: Jayne Morriss
Instituição/*Institution*: School of Psychology and Clinical Language Sciences, University of Reading (UK)
Duração/*Duration*: 2021/10 – 2023/05

Peer-reviewed publications

Morriss, J., Goh, K., Hirsch, C. R., & Dodd, H. (2023). Intolerance of uncertainty heightens negative emotional states and dampens positive emotional states. *Frontiers in Psychiatry, 14*: 1147970. doi:10.3389/fpsyt.2023.1147970

Morriss, J., Tupitsa, E., Dodd, H. F., & Hirsch, C. R. (2022). Uncertainty makes me emotional: Uncertainty as an elicitor and modulator of emotional states. *Frontiers in Psychology, 13*, 777025. doi:10.3389/fpsyg.2022.777025

150/20 – "A swing between the inner and the outer worlds: Exploring the function of the frontal aslant tract with transcranial magnetic stimulation"
Investigadores/*Researchers*: Luigi Cattaneo, Sara Parmigiani
Instituição/*Institution*: Center for Mind/Brain Sciences - CIMeC, University of Trento (Italy)
Duração prevista/*Estimated duration*: 2021/09 – 2024/08

Peer-reviewed publications

Tagliaferri, M., Amorosino, G., Voltolini, L., Giampiccolo, D., Avesani, P., & Cattaneo, L. (2024). A revision of the dorsal origin of the frontal aslant tract (FAT) in the superior frontal gyrus: a DWI-tractographic study. *Brain Structure & Function*, 10.1007/s00429-024-02778-4. Advance online publication. doi:10.1007/s00429-024-02778-4

Tagliaferri, M., Giampiccolo, D., Parmigiani, S., Avesani, P., & Cattaneo, L. (2023). Connectivity by the Frontal Aslant Tract (FAT) explains local functional specialization of the

superior and inferior frontal gyri in humans when choosing predictive over reactive strategies: a tractography-guided TMS study. *The Journal of Neuroscience*, *43*(41), 6920–6929. doi:10.1523/JNEUROSCI.0406-23.2023

169/20 – "Investigation of the phenomenology and impact of spontaneous and direct After-Death Communications (ADCs)"
Investigadores/*Researchers*: Callum Cooper
Instituição/*Institution*: Research Centre for Psychology & Social Sciences, University of Northampton (UK)
Duração prevista/*Estimated duration*: 2021/02 – 2024/04

Peer-reviewed publications

Penberthy, J. K., Pehlivanova, M., Kalelioglu, T., Roe, C. A., Cooper, C. E., Lorimer, D., & Elsaesser, E. (2023). Factors Moderating the Impact of After Death Communications on Beliefs and Spirituality. *OMEGA - Journal of Death and Dying, 87*(3), 884-901. doi:10.1177/00302228211029160

Penberthy, J. K., St Germain-Sehr, N. R., Grams, G., Burns, M., Lorimer, D., Cooper, C. E., Roe, C. A., Morrison, S., & Elsaesser, E. (2023). Description and impact of encounters with deceased partners or spouses. *Omega*, 302228231207900. Advance online publication. doi:10.1177/00302228231207900

Elsaesser, E., Roe, C. A., Cooper, C. E., & Lorimer, D. (2022). Phänomenologie und Auswirkungen von spontanen Nachtod-Kontakten (NTK) – Forschungsergebnisse und Fallstudien. *Journal of Anomalistics, 22*(1), 36-71. doi:10.23793/zfa.2022.36

174/20 – "In your skin: The psychophysiology of touch observation"
Investigador/*Researcher*: Bettina Forster
Instituição/*Institution*: Department of Psychology, School of Arts and Social Sciences, City, University of London (UK)
Duração prevista/*Estimated duration*: 2021/09 – 2024/03

Peer-reviewed publications

Forster, B., & Abad-Hernando, S. (2024). In your skin? Somatosensory cortex is purposely recruited to situate but not simulate vicarious touch. *NeuroImage, 289*, 120561. doi:10.1016/j.neuroimage.2024.120561

175/20 – "The role of nucleus accumbens in the perception of natural rewards"
Investigadores/*Researchers*: Carina Cunha, Ana João Rodrigues, Nivaldo Vasconcelos, Rodrigo Oliveira, Bárbara Coimbra, Ana Verónica Domingues, Gabriela Martins
Instituição/*Institution*: Life and Health Sciences Research Institute – ICVS, University of Minho, Braga (Portugal); Zuckerman Institute, Columbia University, New York City (USA)
Duração prevista/*Estimated duration*: 2021/06 – 2024/11

Peer-reviewed publications

Deseyve, C., Domingues, A. V., Carvalho, T. T. A., Armada, G., Correia, R., Vieitas-Gaspar, N., Wezik, M., Pinto, L., Sousa, N., Coimbra, B., Rodrigues, A. J., & Soares-Cunha, C. (2024). Nucleus accumbens neurons dynamically respond to appetitive and aversive associative learning. *Journal of Neurochemistry, 168*(3), 312–327. doi:10.1111/jnc.16063

Domingues, A. V., Rodrigues, A. J., & Soares-Cunha, C. (2023). A novel perspective on the role of nucleus accumbens neurons in encoding associative learning. *FEBS letters*, *597*(21), 2601–2610. doi:10.1002/1873-3468.14727

Correia, R., Coimbra, B., Domingues, A. V., Wezik, M., Vieitas-Gaspar, N., Gaspar, R., Sousa, N., Pinto, L., Rodrigues, A. J., & Soares-Cunha, C. (2023). Involvement of nucleus accumbens D2-medium spiny neurons projecting to the ventral pallidum in anxiety-like behaviour. *Journal of Psychiatry & Neuroscience, 48*(4), E267–E284. doi:10.1503/jpn.220111

Soares-Cunha, C., & Heinsbroek, J. A. (2023). Ventral pallidal regulation of motivated behaviors and reinforcement. *Frontiers in Neural Circuits, 17*, 1086053. doi:10.3389/fncir.2023.1086053

Domingues, A. V., Coimbra, B., Correia, R., Deseyve, C., Vieitas-Gaspar, N., Floresco, S., Sousa, N., Soares-Cunha, C., & Rodrigues, A. J. (2022). Prenatal dexamethasone exposure alters effort decision making and triggers nucleus accumbens and anterior cingulate cortex functional changes in male rates. *Translational Psychiatry, 12*, 338. doi:10.1038/s41398-022-02043-4

Soares-Cunha, C., Domingues, A. V., Correia, R., Coimbra, B., Vieitas-Gaspar, N., Vasconcelos, N., Pinto, L., Sousa, N. & Rodrigues, A. J. (2022). Distintic role of nucleus accumbens D2-MSN projections to ventral pallidum in different phases of motivated behavior. *Cell Reports, 38*, 7 doi:10.1016/j.celrep.2022.110380

181/20 – "Sleep and dreaming after a near-death experience. An exploratory study using wrist actigraphy"
Investigadores/Researchers: Nicole Lindsay, Natasha Tassell-Matamua, Rosemary Gibson
Instituição/*Institution*: School of Psychology, Massey University, Palmerston North (New Zealand)
Duração prevista/*Estimated duration*: 2021/11 – 2024/10

Peer-reviewed publications

Lindsay, N., O'Sullivan, L., Gibson, R., Ladyman, C., & Tassell-Matamua, N. (2023). Near-death experiences and sleep disturbance: An exploratory study using wrist actigraphy. *The Journal of Nervous and Mental Disease, 211*(11), 856–861. doi:10.1097/NMD.0000000000001710

191/20 – "Understanding the brain mechanisms of death-denial for fostering mindfulness-based existential resilience"
Investigadores/Researchers: Aviva Berkovich-Ohana, Yair Dor-Ziderman
Instituição/*Institution*: The Edmond J. Safra Brain Research Center, University of Haifa (Israel); Gonda Multidisciplinary Brain Research Center, Bar-Ilan University (Israel)
Duração/*Duration*: 2022/01 – 2024/01

Peer-reviewed publications

Trautwein F-M., Schweitzer, Y., Dor-Ziderman, Y., Nave, O., Ataria, Y., Fulder, S., & Berkovich-Ohana, A. (in press). Suspending the embodied self in meditation attenuates beta oscillations in posterior medial cortex. *Journal of Neuroscience*.

David, J., Bouso, J. C., Kohek, M., Ona, G., Tadmor, N., Arnon, T., Dor-Ziderman, Y., & Berkovich-Ohana, A. (2023). Ayahuasca-induced personal death experiences: prevalence, characteristics, and impact on attitudes toward death, life, and the environment. *Frontiers in Psychiatry, 14*, 1287961. doi:10.3389/fpsyt.2023.1287961

201/20 – "The control of a*ttentional diversion: A psychophysiological approach"*
Investigadores/Researchers: John Marsh, Federica Degno, Robert Hughes
Instituição/*Institution*: Perception, Cognition and Neuroscience Laboratory, School of Psychology and Computer Science, University of Central Lancashire, Preston (UK); Royal Holloway University of London, Egham (UK)
Duração prevista/*Estimated duration*: 2021/10 – 2024/09

Peer-reviewed publications

Atienzar, T. O., Pilgrim, L. K., Na Sio, U., & Marsh, J. E. (2024). Replicating and extending hemispheric asymmetries in auditory distraction: no metacognitive awareness for the left-ear disadvantage for changing-state sounds. *Journal of Cognitive Psychology*. doi:10.1080/20445911.2024.2319268

Linklater, R. D., Judge, J., Sörqvist, P., & Marsh, J. E. (2023). Auditory distraction of vocal-motor behaviour by different components of song: testing an interference-by-process account. *Journal of Cognitive Psychology*. doi:10.1080/20445911.2023.2284404

Marsh, J. E., Vachon, F., Sörqvist, P., Marsja, E., Röer, P. J., Richardson, B. H., & Ljungberg, J. K. (2023). Irrelevant changing-state vibrotactile stimuli disrupt verbal serial recall: implications for theories of interference in short-term memory. *Journal of Cognitive Psychology*. doi:0.1080/20445911.2023.2198065

Rettie, L., Potterb, R. F., Brewerc, G., Degnod, F., Vachone, F., Hughes, R. W., & Marsh, J. E. (2023). Warning-taboo words ahead! Avoiding attentional capture by spoken taboo distractors. *Journal of Cognitive Psychology*. doi:10.1080/20445911.2023.2285860

Littlefair, Z., Vachon, F., Ball, L. J., Robinson, N., & Marsh, J. E. (2022). Acoustic, and categorical, deviation effects are pProduced by different mechanisms: Evidence from additivity and habituation. Auditory Perception & Cognition, 5(1-2), 1-24. doi:10.1080/25742442.2022.2063609

203/20 – "Dynamic eye-movement encoding in human cortex using ultra-high field fMRI (7Tesla)"
Investigador/*Researcher*: Alessio Fracasso
Instituição/*Institution*: Institute of Neuroscience and Psychology, University of Glasgow, Scotland (UK)
Duração/*Duration*: 2021/10 – 2023/09

Peer-reviewed publications

Almeida, J., Fracasso, A., Kristensen, S., Valério, D., Bergström, F., Chakravarthi, R., Tal, Z., & Walbrin, J. (2023). Neural and behavioral signatures of the multidimensionality of manipulable object processing. *Communications Biology, 6*(1), 940. doi:10.1038/s42003-023-05323-x

Battaglia, S., Cardellicchio, P., Di Fazio, C., Nazzi, C., Fracasso, A., & Borgomaneri, S. (2022). The influence of vicarious fear-learning in "infecting" reactive action inhibition. *Frontiers in Behavioral Neuroscience, 16,* 946263. doi:10.3389/fnbeh.2022.946263

Bianciardi, B., Gajwani, R., Gross, J., Gumley, A. I., Lawrie, S. M., Moelling, M., Schwannauer, M., Schultze-Lutter, F., Fracasso, A., & Uhlhaas, P. J. (2023). Investigating temporal and prosodic markers in clinical high-risk for psychosis participants using automated acoustic analysis. *Early Intervention in Psychiatry, 17*(3), 327–330. doi:10.1111/eip.13357

Fabius, J. H., Fracasso, A., Deodato, M., Melcher, D., & Van der Stigchel, S. (2023). Bilateral increase in MEG planar gradients prior to saccade onset. *Scientific Reports, 13*(1), 5830. doi:10.1038/s41598-023-32980-z

Fracasso, A., Buonocore, A., & Hafed, Z. M. (2023). Peri-saccadic orientation identification performance and visual neural sensitivity are higher in the upper visual field. *The Journal of Neuroscience, 43*(41), 6884–6897. doi:10.1523/JNEUROSCI.1740-22.2023

Gaglianese, A., Fracasso, A., Fernandes, F. G., Harvey, B., Dumoulin, S. O., & Petridou, N. (2023). Mechanisms of speed encoding in the human middle temporal cortex measured by 7T fMRI. *Human Brain Mapping, 44*(5), 2050-2061. doi:10.1002/hbm.26193

Battaglia, S., Fabius, J. H., Moravkova, K., Fracasso, A., & Borgomaneri, S. (2022). The neurobiological correlates of gaze perception in healthy individuals and neurologic patients. *Biomedicines, 10*(3), 627. doi:10.3390/biomedicines10030627

Brunner, G., Gajwani, R., Gross, J., Gumley, A., Krishnadas, R., Lawrie, S., Schwannauer M., Schultze-Lutter, F., Fracasso, A. & Uhlhaas, P. (2022). Hippocampal structural alterations in early-stage psychosis: Specificity and relationship to clinical outcomes. *NeuroImage: Clinical*. doi:10.1016/j.nicl.2022.103087

Fabius, J. H., Moravkova, K., & Fracasso, A. (2022). Topographic organization of eye-position dependent gain fields in human visual cortex. *Nature Communications, 13*(1), 7925. doi:10.1038/s41467-022-35488-8

Fracasso, A., Gaglianese, A., Vansteensel, M. J., Aarnoutse, E. J., Ramsey, N. F., Dumoulin, S. O., & Petridou, N. (2022). FMRI and intra-cranial electrocorticography recordings in the same human subjects reveals negative BOLD signal coupled with silenced neuronal activity. *Brain Structure & Function, 227*(4), 1371–1384. doi:10.1007/s00429-021-02342-4

van Dijk, J. A., de Jong, M. C., Piantoni, G., Fracasso, A., Vansteensel, M. J., Groen, I., Petridou, N., & Dumoulin, S. (2022). Intracranial recordings show evidence of numerosity tuning in human parietal cortex. *PLoS One, 17*(8), e0272087. doi:10.1371/journal.pone.0272087

Fracasso, A., Dumoulin, S. O., & Petridou, N. (2021). Point-spread function of the BOLD response across columns and cortical depth in human extra-striate cortex. *Progress in Neurobiology*. doi:10.1016/j.pneurobio.2021.102034

van Dijk, J. A., Fracasso, A., Petridou, N., & Dumoulin, S. O. (2021). Laminar processing of numerosity supports a canonical cortical microcircuit in human parietal cortex. *Current biology, 31*(20), 4635-4640. doi:10.1016/j.cub.2021.07.082

216/20 – "Analysis of an entropic anomaly in 23 years of truly random data"
Investigador/*Researcher*: Dean Radin
Instituição/*Institution*: Institute of Noetic Sciences, Petaluma (USA)
Duração/*Duration*: 2022/01 – 2023/02

Peer-reviewed publications

Radin, D. (2023). Anomalous entropic effects in physical systems associated with collective consciousness. *Physics Essays,* 36(1), 76-85.

241/20 – "The premotor roots of musical beat perception and imagery: A neurophysiological investigation"
Investigadores/*Researchers*: Carlotta Lega, Virginia Penhune, Luigi Cattaneo
Instituição/*Institution*: Department of Psychology, Università degli Studi di Milano-Bicocca (Italy)
Duração prevista/*Estimated duration*: 2021/09 – 2024/06

Peer-reviewed publications

Benoit, C. E., Ferreri, L., Lega, C., & van Vugt, F. T. (2022). Editorial: Rhythm in human cognition and action: Health and pathology. *Frontiers in Psychology, 13*, 1047825. doi:10.3389/fpsyg.2022.1047825

246/20 – "The hidden rhythm of interpersonal (sub-)movement coordination"
Investigadores/*Researchers*: Alice Tomassini, Alessandro D'Ausilio, Julien Laroche
Instituição/*Institution*: Center for Translational Neurophysiology of Speech and Communication – CTNSC, Istituto Italiano di Tecnologia, Ferrara (Italy)
Duração/*Duration*: 2021/06 – 2023/06

Peer-reviewed publications

Corsini, A., Tomassini, A., Pastore, A., Delis, I., Fadiga, L., & D'Ausilio, A. (2024). Speech perception difficulty modulates theta-band encoding of articulatory synergies. *Journal of Neurophysiology, 131*(3), 480–491. doi:10.1152/jn.00388.2023

Laroche, J., Tomassini, A., Fadiga, L., & D'Ausilio, A. (2024). Submovement interpersonal coupling is associated to audio-motor coordination performance. *Scientific Reports, 14(*1), 4662. doi:10.1038/s41598-024-51629-z

Emanuele, M., D'Ausilio, A., Koch, G., Fadiga, L., & Tomassini, A. (2024). Scale-invariant changes in corticospinal excitability reflect multiplexed oscillations in the motor output. *The Journal of Physiology, 602*(1), 205–222. doi:10.1113/JP284273

Nazzaro, G., Emanuele, M., Laroche, J., Esposto, C., Fadiga, L., D'Ausilio, A., & Tomassini, A. (2023). The microstructure of intra- and interpersonal coordination. *Proceedings. Biological Sciences, 290*(2011), 20231576. doi:10.1098/rspb.2023.1576

Torricelli, F., Tomassini, A., Pezzulo, G., Pozzo, T., Fadiga, L., & D'Ausilio, A. (2023). Motor invariants in action execution and perception. *Physics of Life Reviews, 44*, 13-47. doi:10.1016/j.plrev.2022.11.003

Laroche, J., Tomassini, A., Volpe, G., Camurri, A., Fadiga, L., & D'Ausilio, A. (2022). Interpersonal sensorimotor communication shapes intrapersonal coordination in a musical ensemble. Frontiers in Human Neuroscience, 16: 899676. doi:10.3389/fnhum.2022.899676

Pastore, A., Tomassini, A., Delis, I., Dolfini, E., Fadiga, L., & D'Ausilio, A. (2022). Speech listening entails neural encoding of invisible articulatory features. *NeuroImage, 264*, 119724. doi:10.1016/j.neuroimage.2022.119724

Tomassini, A., Laroche, J., Emanuele, M., Nazzaro, G., Petrone, N., Fadiga, L. & D'Ausilio, A. (2022). Interpersonal synchronization of movement intermittency. *iScience, 25*(4), 104096. doi:10.1016/j.isci.2022.104096

252/20 – "Neurophysiological bases of decision-making processes: Dissociating risk and uncertainty in the human brain"
Investigadores/*Researchers*: Tiago Paiva, Carina Fernandes, Fernando Barbosa, João Marques-Teixeira, Fernando Ferreira-Santos, Carlos Seixas, Rita Pasion, Carlos Campos
Instituição/*Institution*: Laboratory of Neuropsychophysiology, Faculty of Psychology and Educational Sciences, University of Porto (Portugal)
Duração prevista/*Estimated duration*: 2021/06 – 2024/05

Peer-reviewed publications

Botelho, C., Fernandes, C., Campos, C., Seixas, C., Pasion, R., Garcez, H., Ferreira-Santos, F., Barbosa, F., Maques-Teixeira, J., & Paiva, T. O. (2023). Uncertainty deconstructed: conceptual analysis and state-of-the-art review of the ERP correlates of risk and ambiguity in decision-making. *Cognitive, Affective & Behavioral Neuroscience*, *23*(3), 522–542. doi:10.3758/s13415-023-01101-8

258/20 – "In God's shoes: Embodying the avatar of the supreme moral authority modulates psychophysiological indices of one's own morality"
Investigadores/*Researchers*: Salvatore Maria Aglioti, Michael Schepisi, Althea Frisanco, Gaetano Tieri
Instituição/*Institution*: Department of Psychology, "Sapienza" University of Rome (Italy), GIGA-Consciousness, University of Liège (Belgium)
Duração/*Duration*: 2021/06 – 2023/09

Peer-reviewed publications

Frisanco, A., Schepisi, M., Tieri, G., & Aglioti, S. M. (2022). Embodying the avatar of an omnipotent agent modulates the perception of one's own abilities and enhances feelings of invulnerability. Scientific Reports, 12(1), 21585. doi:10.1038/s41598-022-26016-1

272/20 – "Advancements on the aware mind-brain: New insights about the neural correlates of meditation states and traits"
Investigadores/*Researchers*: Antonino Raffone, Vasil Kolev, Peter Malinowski, Juliana Yordanova, Roumen Kirov
Instituição/*Institution*: Department of Psychology, "Sapienza" University of Rome (Italy); Bulgarian Academy of Sciences, Sofia (Bulgaria); Liverpool John Moores University (UK)
Duração prevista/*Estimated duration*: 2021/03 – 2024/08

Peer-reviewed publications

Colombo, S. L., Chiarella, S. G., Lefrançois, C., Fradin, J., Simione, L., Raffone, A. (2023). Probing pro-environmental behaviour: A systematic review on its relationship with executive functions and self-regulation processes. *Journal of Environmental Psychology*, *92*, 102153. doi:10.1016/j.jenvp.2023.102153

276/20 – "Beyond your own body: Extending the bodily self to the neuroaesthetics of interactions"
Investigadores/*Researchers*: Andrea Orlandi, Matteo Candidi, Martina Fanghella, Quentin Moreau
Instituição/*Institution*: Department of Psychology, "Sapienza" University of Rome (Italy)
Duração prevista/*Estimated duration*: 2021/02 – 2024/04

Peer-reviewed publications

Fanghella, M., Era, V., & Candidi, M. (2021). Interpersonal motor interactions shape multisensory representations of the peripersonal space. *Brain Sciences, 11*(2):255. doi:10.3390/brainsci11020255

284/20 – "The whole is more than the sum of its parts: Elucidating the link between sleep quality and well-being by integrating cross-modal networks"
Investigadores/*Researchers*: Tessa Blanken, Denny Borsboom
Instituição/*Institution*: Department of Psychology, University of Amsterdam (The Netherlands)
Duração/*Duration*: 2021/09 – 2023/03

Peer-reviewed publications

Burger, J., Andikkhash, V., Jäger, N., Anderbro, T., Blanken, T. F., & Klintwall, L. (2024). A novel approach for constructing personalized networks from longitudinal perceived causal relations. *Behaviour Research and Therapy, 173*, 104456. doi:10.1016/j.brat.2023.104456

Lancee, J., Harvey, A., Morin, C., Ivers, H., van der Zweerde, T. & Blanken, T. (2022). Network intervention analyses of cognitive therapy and behavior therapy for insomnia: Symptom specific effects and process measures. *Behaviour Research and Therapy, 153*, 104100. doi:10.1016/j.brat.2022.104100

Chattrattrai, T., Blanken, T., Lobbezoo, F., Su, N., Aarab, G. & Van Someren, E. (2022). A network analysis of self-reported sleep bruxism in the Netherlands sleep registry: Its associations with insomnia and several demographic, psychological, and life-style factors. *Sleep Medicine, 93*, 63-70. doi:10.1016/j.sleep.2022.03.018

Blanken, T. F., Bathelt, J., Deserno, M. K., Voge, L., Borsboom, D., & Douw, L. (2021). Connecting brain and behavior in clinical neuroscience: A network approach. *Neuroscience and Biobehavioral Reviews, 130*, 81-90. doi:10.1016/j.neubiorev.2021.07.027

287/20 – "Title: Emotional distraction: Contextual modulation of attentional capture"
Investigadores/*Researchers*: Maurizio Codispoti, Cristina Filannino
Instituição/*Institution*: Department of Psychology, University of Bologna (Italy)
Duração/*Duration*: 2021/04 – 2023/02

Peer-reviewed publications

Codispoti, M., De Cesarei, A., & Ferrari, V. (2023). Alpha-band oscillations and emotion: A review of studies on picture perception. *Psychophysiology*, *60*(12), e14438. doi:10.1111/psyp.14438

Ferrari, V., Canturi, F., & Codispoti, M. (2021). Stimulus novelty and emotionality interact in the processing of visual distractors. *Biological Psychology, 108238*. doi:10.1016/j.biopsycho.2021.108238

288/20 – "The origin of the sublime power in the brain: An integrated EEG-TMS study"
Investigadores/*Researchers*: Eleonora Maggioni, Paolo Brambilla, Giandomenico Schiena, Alice Chirico, Andrea Gaggioli, Maddalena Mazzocut-Mis
Instituição/*Institution*: Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan (Italy); Università Cattolica del Sacro Cuore, Milan (Italy); Università degli Studi di Milano (Italy)
Duração prevista/*Estimated duration*: 2021/04 – 2024/04

Peer-reviewed publications

Bondi, E., Maggioni, E., Brambilla, P., & Delvecchio, G. (2023). A systematic review on the potential use of machine learning to classify major depressive disorder from healthy controls using resting state fMRI measures. *Neuroscience and Biobehavioral Reviews, 144*, 104972. doi:10.1016/j.neubiorev.2022.104972

Del Fabro, L., Bondi, E., Serio, F., Maggioni, E., D'Agostino, A., & Brambilla, P. (2023). Machine learning methods to predict outcomes of pharmacological treatment in psychosis. *Translational Psychiatry, 13*, 75. doi:10.1038/s41398-023-02371-z

Maggioni, E., Piani, M. C., Bondi, E., Bianchi, A. M., & Brambilla, P. (2023). Multimodal Integration in Psychiatry: Clinical Potential and Challenges. In: D. Stoyanov, B., Draganski, P., Brambilla, & C., Lamm (Eds), *Computational Neuroscience. Neuromethods* (Vol 199). Humana, New York, NY. doi:10.1007/978-1-0716-3230-7_15

Maggioni, E., Rossetti, M. G., Allen, N. B., Batalla, A., Bellani, M., Chye, Y., Cousijn, J., Goudriaan, A. E., Hester, R., Hutchison, K., Li, C. R., Martin-Santos, R., Momenan, R., Sinha, R., Schmaal, L., Solowij, N., Suo, C., van Holst, R. J., Veltman, D. J., Yücel, M., … Lorenzetti, V. (2023). Brain volumes in alcohol use disorder: Do females and males differ? A whole-brain magnetic resonance imaging mega-analysis. *Human Brain Mapping, 44*(13), 4652-4666. doi:10.1002/hbm.26404

Tassi, E., Maggioni, E., Mauri, M., Fagnani, C., Agarwal, N., Bianchi, A. M., Stazi, M. A., Nobile, M., & Brambilla, P. (2023). Environmental effects on brain functional networks in a juvenile twin population. *Scientific Reports, 13*(1), 3921. doi:10.1038/s41598-023-30672-2

Tomasino, B., Maggioni, E., Piani, M. C., Bonivento, C., D'Agostini, S., Balestrieri, M., & Brambilla, P. (2023). The mental simulation of state/psychological stimuli in anxiety disorders: A 3T fMRI study. *Journal of Affective Disorders*, *345*, 435–442. doi:10.1016/j.jad.2023.10.079

295/20 – "Peace of mind and emotion regulation: Survey-based, behavioural, and neuroscientific investigations"
Investigador/*Researcher*: Pilleriin Sikka
Instituição/*Institution*: Department of Psychology and Speech-Language Pathology, University of Turku (Finland)
Duração prevista/*Estimated duration*: 2021/03 – 2024/05

Peer-reviewed publications

Sikka, P., Revonsuo, A., & Gross, J. J. (2023). Individual differences in peace of mind reflect adaptive emotion regulation. *Personality and Individual Differences, 215*, 112378. doi:10.1016/j.paid.2023.112378

309/20 – "Assessing static and dynamic effects of mindfulness meditation on peripersonal space"
Investigadores/*Researchers*: Luca Simione, Salvatore Chiarella
Instituição/*Institution*: Institute of Cognitive Sciences and Technologies, Italian National Research Council – CNR, Rome (Italy)
Duração prevista/*Estimated duration*: 2021/11 – 2024/04

Peer-reviewed publications

Chiarella, S. G., Simione, L., D'Angiò, M., Raffone, A., & Di Pace, E. (2023). The mechanisms of selective attention in phenomenal consciousness. *Consciousness and Cognition, 107*, 103446. doi:10.1016/j.concog.2022.103446

Colombo, S. L., Chiarella, S. G., Lefrançois, C., Fradin, J., Simione, L., Raffone, A. (2023). Probing pro-environmental behaviour: A systematic review on its relationship with executive functions and self-regulation processes. *Journal of Environmental Psychology, 92*, 102153. doi:10.1016/j.jenvp.2023.102153

Simione, L., & Saldarini, F. A. (2023). Critical review of the monitor and acceptance theory of mindfulness. *Mindfulness*, *14*, 1317–1328. doi:10.1007/s12671-023-02129-0

Simione, L., De Berardinis, C., Calabrese, L., & Raffone, A. (2022). Validation of the italian translation of the Philadelphia mindfulness scale. Mindfulness, 13, 2186-2201. doi:10.1007/s12671-022-01947-y

Simione, L., Vabba, A., Raffone, A., & Mirolli, M. (2022). Pupil dilation and self-reported emotional response to IAPS pictures: The role of emotional regulation and trait mindfulness. *2022 IEEE International Conference on Metrology for Extended Reality, Artificial Intelligence and Neural Engineering* (pp. 471-476), Rome, Italy. doi:10.1109/MetroXRAINE54828.2022.9967538

311/20 – "How body ownership shapes tactile awareness: Inducing phantom sensations and measuring their electrophysiological correlates in immersive virtual reality"
Investigadores/*Researchers*: Carlotta Fossataro, Valentina Bruno, Alice Rossi Sebastiano, Francesca Garbarini
Instituição/*Institution*: Department of Psychology, University of Turin (Italy)
Duração/*Duration*: 2021/04 – 2024/01

Peer-reviewed publications

Del Vecchio, M., De Marco, D., Pigorini, A., Fossataro, C., Cassisi, A., & Avanzini, P. (2022). The vision of haptics tunes the somatosensory threshold. *Neuroscience Letters, 787*, 136823. doi:10.1016/j.neulet.2022.136823

Fossataro, C., Galigani, M., Rossi Sebastiano, A., Bruno, V., Ronga, I., & Garbarini, F. (2022). Spatial proximity to others induces plastic changes in the neural representation of the peripersonal space. *iScience, 26*(1), 105879. doi:10.1016/j.isci.2022.105879

Rossi Sebastiano, A., Bruno, V., Ronga, I., Fossataro, C., Galigani, M., Neppi-Modona, M., & Garbarini, F. (2022). Diametrical modulation of tactile and visual perceptual thresholds during the rubber hand illusion: a predictive coding account. *Psychological Research, 86*(6), 1830–1846. doi:10.1007/s00426-0

Rossi Sebastiano, A., Ronga, I., Fossataro, C., Galigani, M., Poles, K., & Garbarini, F. (2022). Multisensory-driven facilitation within the peripersonal space is modulated by the expectations about stimulus location on the body. *Scientific Reports, 12*(1), 20061. doi:10.1038/s41598-022-21469-w

Del Vecchio, M., Fossataro, C., Zauli, F. M., Sartori, I., Pigorini, A., d'Orio, P., Abarrategui, B., Russo, S., Mikulan, E. P., Caruana, F., Rizzolatti, G., Garbarini, F., & Avanzini, P. (2021). Tonic somatosensory responses and deficits of tactile awareness converge in the parietal operculum. *Brain, 144*(12), 3779–3787. doi:10.1093/brain/awab384

333/20 – "Mindfulness and psychedelics: A neurophenomenological approach to the characterization of acute and sustained response to DMT in experienced meditators"
Investigadores/*Researchers*: Milan Scheidegger, Daniel Meling, Michael Kometer, Dario Dornbierer
Instituição/*Institution*: Department of Psychiatry, Psychotherapy and Psychosomatics, Psychiatric Hospital, University of Zurich (Switzerland); University Medical Center Freiburg (Germany)
Duração prevista/*Estimated duration*: 2021/10 – 2024/04

Peer-reviewed publications

Aicher, H. D., Mueller, M. J., Dornbierer, D. A., Suay, D., Elsner, C., Wicki, I., Meling, D., Caflisch, L., Hempe, A., Steinhart, C., Mueller, J., Von Rotz, R., Kleim, B., & Scheidegger, M. (2024). Potential therapeutic effects of an ayahuasca-inspired N,N-DMT and harmine formulation: a controlled trial in healthy subjects. *Frontiers in Psychiatry, 14*, 1302559. doi:10.3389/fpsyt.2023.1302559

Meling, D., & Scheidegger, M. (2023). Not in the drug, not in the brain: Causality in psychedelic experiences from an enactive perspective. *Frontiers in Psychology, 14*, 1100058. doi:10.3389/fpsyg.2023.1100058

Meling, D. (2022). Knowing the knowing. Non-dual meditative practice from an enactive perspective. *Frontiers in Psychology, 13*: 778817. doi:10.3389/fpsyg.2022.778817

343/20 – "Italian research group on mediumship: Mediumistic abilities testing protocol"
Investigadores/*Researchers*: Laura Liberale, Patrizio Tressoldi, Ines Testoni, Sara Pompele, Erika Iacona, Gianmarco Biancalani
Instituição/*Institution*: Nemesi Aps, Padova (Italy)
Duração prevista/*Estimated duration*: 2021/01 – 2024/04

Peer-reviewed publications

Testoni, I., Pompele, S., & Liberale, L. (2023). What does it mean to be a medium? A qualitative research on the mediumship experience in Italy. *European Journal of Science and Theology, 19*(4), 119-137.

Testoni, I., Pompele, S., Liberale, L., & Tressoldi, P. (2022). Limits and meanings to the challenging territory of mediumship: A qualitative study with grievers. *European Journal of Science and Theology, 18*(3), 97-109.

Tressoldi, P., Liberale, L., & Sinesio, F. (2022). Is there someone in the hereafter? Mediumship accuracy of 100 readings obtained with a triple level of blinding protocol. *Omega,* 302228221146376. Advance online publication. doi:10.1177/00302228221146376

344/20 – "Title: Evaluation of psychological traits, pain perception and muscular strength in trance experts"
Investigadores/*Researchers*: Olivia Gosseries, Paul Hollanders, Yannick Lafon
Instituição/*Institution*: GIGA Research Center, GIGA-Consciousness, University of Liège (Belgium)
Duração prevista/*Estimated duration:* 2022/01 – 2024/04

Peer-reviewed publications

Timmermann, C., Bauer, P. R., Gosseries, O., Vanhaudenhuyse, A., Vollenweider, F., Laureys, S., Singer, T., Mind and Life Europe (MLE) ENCECON Research Group, Antonova, E., & Lutz, A. (2023). A neurophenomenological approach to non-ordinary states of consciousness: hypnosis, meditation, and psychedelics. *Trends in Cognitive Sciences, 27*(2), 139-159. doi:10.1016/j.tics.2022.11.006

Rousseaux, F., Panda, R., Toussaint, C., Bicego, A., Niimi, M., Faymonville, M. E., Nyssen, A. S., Laureys, S., Gosseries, O., & Vanhaudenhuyse, A. (2023). Virtual reality hypnosis in the management of pain: Self-reported and neurophysiological measures in healthy subjects. *European Journal of Pain, 27*(1), 148-162. doi:10.1002/ejp.2045

347/20 – "Open-label choice blindness: Exploring the mechanism underlying auto-suggestion"
Investigadores/*Researchers*: Jeremy Olson, Despina Artenie, Ellen Langer, Jian Kong
Instituição/*Institution*: Department of Psychiatry, Massachusets General Hospital, Harvard Medical School, Boston (USA); Department of Psychology, Harvard University, Cambridge (USA)
Duração/*duration:* 2022/05 – 2023/09

Peer-reviewed publications

Artenie, D. Z., Olson, J. A., Dupuis, G., Suisman, C. C., Casagrande, S. A. G., Akberdina, S., Roy, M., & Langer, E. J. (2023). Exploring the clinical utility of choice blindness: Generalization of effects and necessity of deception. *Psychology of Consciousness: Theory, Research, and Practice*. Advance online publication. doi:10.1037/cns0000372

369/20 – "A trait-and-state analysis of precognitive remote viewing focusing on gender, emotions, and pregnancy status"
Investigadores/*Researchers*: Julia Mossbridge, Mark Boccuzzi, Kirsten Cameron
Instituição/*Institution*: The Institute for Love and Time - TILT, Sebastopol (USA); Windbridge Institute, LLC, Tucson (USA)
Duração/*Duration:* 2021/01 – 2022/09

Peer-reviewed publications

Mossbridge, J. (2023). Precognition at the boundaries: An empirical review and theoretical discussion. *Journal of Anomalous Experience and Cognition, 3*(1), 5-41. doi:10.31156/jaex.24216

380/20 – "Neuroanatomical correlates of wellbeing in a mindfulness and religious exercises program"
Investigadores/*Researchers*: Paulo Dias, Ângela Leite, Bruno Nobre, Bruce Fischl
Instituição/*Institution*: Centre for Philosophical and Humanistic Studies, Universidade Católica Portuguesa, Braga (Portugal)
Duração prevista/*Estimated duration:* 2021/11 – 2024/11

Peer-reviewed publications

Leite, Â., Nobre, B., & Dias, P. C. (2024). Validation of the Portuguese Version of Hoge Intrinsic Motivation Religiosity Scale and Rohrbaugh and Jessor Religiosity Scale. *Journal of Psychology and Theology*, 52(1), 52-75. doi:10.1177/00916471231189672

381/20 – "Pathways from prenatal and postnatal stress to sleep quality across childhoos: The role of the amygdala and cortisol"
Investigadores/*Researchers*: Desana Kocevska, Annemarie Luik
Instituição/*Institution*: Department of Epidemiology, Erasmus Medical Center, Rotterdam (The Netherlands)
Duração prevista/*Estimated duration*: 2021/09 – 2024/04

Peer-reviewed publications

Kocevska, D., Schuurmans, I. K., Cecil, C. A. M., Jansen, P. W., van Someren, E. J. W., & Luik, A. I. (2023). A longitudinal study of stress during pregnancy, children's sleep and polygenic risk for poor sleep in the general pediatric population. *Research on Child and Adolescent Psychopathology*, *51*(12), 1909–1918. doi:10.1007/s10802-023-01097-2

van de Langenberg, S., Kocevska, D. & Luik, A. (2022). The multidimensionality of sleep in population-based samples: A narrative review. *Journal of Sleep Research, 31*(4). doi:10.1111/jsr.13608

384/20 – "Schema-based temporal memory in parietal cortex (SCHETEMP)"
Investigadores/*Researchers*: Matteo Frisoni, Paolo Capotosto
Instituição/*Institution*: Department of Neurosciences, Imaging and Clinical Sciences, Università degli Studi G. d'Annunzio Chieti – Pescara (Italy)
Duração/*Duration*: 2021/10 – 2023/11

Peer-reviewed publications

Frisoni, M., Di Ghionno, M., Guidotti, R., Tosoni, A. & Sestieri, C. (2022). Effects of a narrative template on memory for the time of movie scenes: Automatic reshaping is independent of consolidation. *Psychological Research, 87*(2), 598-612. doi:10.1007/s00426-022-01684-w

Frisoni, M., Selvaggio, A., Tosoni, A., & Sestieri, C. (2023). Long-term memory for movie details: selective decay for verbal information at one week. *Memory, 31*(9), 1232-1243. doi:10.1080/09658211.2023.2253568

391/20 – "Illuminating the dreamer's perceptual experiences"

Investigadores/*Researchers*: Delphine Oudiette, Ken Paller, Susan Florczak, Karen Konkoly, Saba Al-youssef

Instituição/*Institution* : Institut du Cerveau, Paris (France); Cognitive Neuroscience Lab, Northwestern University, Evanston (USA)

Duração prevista/*Estimated duration*: 2022/02 – 2024/04

Peer-reviewed publications

Konkoly, K. R., Picard-Deland, C., Morris, D., & Mallett, R. (2023). Dreaming outside the box: Evidence for memory abstraction in REM sleep. The Journal of Neuroscience, 43(42), 6952–6953. doi:10.1523/JNEUROSCI.1374-23.2023

Publicações revistas por pares – Apoios à Investigação Científica 2022/23
Peer-reviewed publications – Grant for Scientific Research 2022/23

06/22 – "Generating psi with enchanted spaces: A confirmatory study"
Investigadores/*Researchers*: James Houran
Instituição/*Institution*: Integrated Knowledge Systsems - IKS, Chatham (USA)
Duração/*Duration*: 2023/02 – 2024/03

Peer-reviewed publications

Houran, J., & Laythe, B. (2023). Phenomenology of AI-Generated "Entity Encounter" Narratives. *Journal of Anomalous Experience and Cognition, 3*(2), 335-368. doi:10.31156/jaex.25124

Houran, J., Laythe, B., Little, C., & Houran, D. J. (2023). Rethinking a ghostly episode in the legacy literature. *Journal of Anomalistics, 23*, 77-102. doi:10.23793/zfa.2023.xxx

33/22 – "The influence of emotions on actions: Boosting brain network plasticity to ameliorate action control"
Investigadores/*Researchers*: Sara Borgomaneri, Vincenzo Romei
Instituição/*Institution*: Department of Psychology, University of Bologna (Italy)
Duração prevista/*Estimated duration*: 2023/05 – 2025/05

Peer-reviewed publications

Tarasi, L., Turrini, S., Sel, A., Avenanti, A., & Romei, V. (2024). Cortico-cortical paired-associative stimulation to investigate the plasticity of cortico-cortical visual networks in humans. *Current Opinion in Behavioral Sciences, 56*, 101359. doi:10.1016/j.cobeha.2024.101359

Borgomaneri, S., Vitale, F., Battaglia, S., de Vega, M., & Avenanti, A. (2023). Task-related modulation of motor response to emotional bodies: a TMS motor-evoked potential study. *Cortex*, *171*, 235-246. doi:10.1016/j.cortex.2023.10.013

Borgomaneri, S., Zanon, M., Di Luzio, P., Cataneo, A., Arcara, G., Romei, V., Tamietto, M., & Avenanti, A. (2023). Increasing associative plasticity in temporo-occipital back-projections improves visual perception of emotions. *Nature Communications, 14*(1), 5720. doi:10.1038/s41467-023-41058-3

65/22 – "Unintended returns of awareness during cardiopulmonary resuscitation"
Investigadores/*Researchers*: Charlotte Martial, Pauline Fritz, Alice Clerget
Instituição/*Institution*: Coma Science Group, University of Liège (Belgium)
Duração prevista/*Estimated duration*: 2023/02 – 2025/01

Peer-reviewed publications

Fritz, P., Lejeune, N., Cardone, P., Gosseries, O., & Martial, C. (2024). Bridging the gap: (a)typical psychedelic and near-death experience insights. *Current Opinion in Behavioral Sciences, 55*, 101349. doi:10.1016/j.cobeha.2023.101349

Martial, C., & Gosseries, O. (2023). Unresponsive but not necessarily unconscious: An introduction to the special focus. *Journal of Cognitive Neuroscience*, 1–3. Advance online publication. doi:10.1162/jocn_e_02027

68/22 – "Can a silent mind know thyself? The role of inner speech in self-awareness"
Investigador/*Researcher*: Bo Yao
Instituição/*Institution*: Department of Psychology, Lancaster University (UK)
Duração prevista/*Estimated duration*: 2023/03 – 2025/02

Peer-reviewed publications

Pratts, J., Pobric, G., & Yao, B. (2023). Bridging phenomenology and neural mechanisms of inner speech: ALE meta-analysis on egocentricity and spontaneity in a dual-mechanistic framework. *NeuroImage, 282*, 120399. doi:10.1016/j.neuroimage.2023.120399

69/22 – "Psychometric validation of a questionnaire for assessing paranormal health beliefs and statistically modelling the effects of the construct on health outcomes longitudinally"
Investigador/*Researcher*: Andrew Denovan
Instituição/*Institution*: Centre for Cognition and Neuroscience, University of Huddersfield (UK)
Duração prevista/*Estimated duration*: 2023/06 - 2025/06

Peer-reviewed publications

Denovan, A., Dagnall, N., & Drinkwater, K. G. (2024). The paranormal health beliefs scale: an evaluation using cognitive interviewing. *Frontiers in Psychology, 15*, 1306372. doi:10.3389/fpsyg.2024.1306372

231/22 – "Understanding how humans perceive high-frequency vibrations"
Investigadores/*Researchers*: Nélson Costa, Isabel Lisboa, Emanuel Silva, Paulo Cardoso
Instituição/*Institution*: Centro ALGORITMI, School of Engineering, University of Minho, Guimarães (Portugal)
Duração prevista/*Estimated duration*: 2023/03 – 2026/02

Peer-reviewed publications

Lisboa, I. C., Lourenço, V., Silva, E., Pereira, E., Carvalho, A., Pessoa, R., & Costa, N. (2024). Haptic warnings for a motorcycle jacket and gloves. *Transportation Research Part F: Traffic Psychology and Behaviour, 100*, 197-210. doi:10.1016/j.trf.2023.11.017

260/22 – "TrustyCobots: Human-like or machine-like? Tracking psychophysiological components of trust in human-robot collaboration"
Investigadores/*Researchers*: Artur Pilacinski, Sergi Bermudez I Badia, Ioannis Iossifidis, Ana Luisa Pinto, Paula Alexandra Silva, Christian Klaes
Instituição/*Institution*: Center for Research in Neuropsychology and Cognitive and Behavioral Intervention - CINEICC, Faculty of Psychology and Educational Sciences, University of Coimbra (Portugal); University of Madeira (Portugal); Ruhr West University of Applied Sciences (Germany)
Duração prevista/*Estimated duration*: 2023/03 – 2026/02

Peer-reviewed publications

Pilacinski, A., Metzler, M., & Klaes, C. (2023). Phantom touch illusion, an unexpected phenomenological effect of tactile gating in the absence of tactile stimulation. *Scientific Reports, 13*(1), 15453. doi:10.1038/s41598-023-42683-0

Pilacinski, A., Pinto, A., Oliveira, S., Araújo, E., Carvalho, C., Silva, P. A., Matias, R., Menezes, P., & Sousa, S. (2023). The robot eyes don't have it. The presence of eyes on collaborative robots yields marginally higher user trust but lower performance. *Heliyon, 9*(8), E18164. doi:10.1016/j.heliyon.2023.e18164

304/22 – "Boosting and hindering action imitation by modulating spike-timing dependent plasticity"
Investigadores/*Researchers*: Alessio Avenanti, Chiara Spaccasassi, Sonia Turrini, Antonio Cataneo
Instituição/*Institution*: Department of Psychology, Alma Mater Studiorum - Università di Bologna (Italy)
Duração prevista/*Estimated duration*: 2023/11 – 2025/10

Peer-reviewed publications

Bevacqua, N., Turrini, S., Fiori, F., Saracini, C., Lucero, B., Candidi, M., & Avenanti, A. (2024). Cortico-cortical paired associative stimulation highlights asymmetrical communication between rostral premotor cortices and primary motor cortex. *Brain Stimulation, 17*(1), 89-91. doi:10.1016/j.brs.2024.01.001

Chiappini, E., Turrini, S., Zanon, M., Marangon, M., Borgomaneri, S., & Avenanti, A. (2024). Driving Hebbian plasticity over ventral premotor-motor projections transiently enhances motor resonance. *Brain Stimulation, 17*(2), 211–220. doi:10.1016/j.brs.2024.02.011

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