CURRICULUM VITAE (as of May 2022)

NAME: **Marios G. Philiastides**

POSITION TITLE: Full Professor, Institute of Neuroscience and Psychology, University of Glasgow

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	COMPLETION DATE	FIELD OF STUDY
Columbia University	Ph.D. M.Phil.	06/2007 06/2004	Biomedical Engineering (Thesis with distinction)
Stanford University	M.Sc.	06/2003	Electrical Engineering
Rutgers University	B.Sc.	05/2001	Biomedical Engineering (Valedictorian)

A. Personal Statement

I am interested in characterising the neural principles guiding perceptual, value-based and social decisions in humans, including reinforcement-guided learning and reward-related activity in cortical and subcortical systems. The computational techniques used in my lab are motivated by classical problems in signal processing, machine learning and statistical pattern recognition. Our ultimate goal is to go beyond mere "brain mapping" and begin looking for distributed neural representations to decipher how information flow through a "network" can lead to changes in behaviour. To this end we use a multimodal approach, which combines various forms of neuroimaging (EEG/MEG, fMRI, simultaneous EEG-fMRI [in 3T and 7T systems], pupillometry) as well as interventional techniques (TMS/tDCS) along with computational modelling and multivariate single-trial data analysis techniques to expose the relevant brain networks and their underlying computations. We perform these measurements in control and clinical groups to understand healthy and maladaptive decision making and develop neural markers for predicting treatment response and diagnostic stratification in psychiatry.

B. Positions and Honours

Employment / Experience

2020-	Professor of Decision Neuroscience, Institute of Neuroscience and Psychology, Centre for Cognitive Neuroimaging, University of Glasgow
2016-2020	Associate Professor (Reader), Institute of Neuroscience and Psychology, Centre for Cognitive Neuroimaging, University of Glasgow
2013-2016	Associate Professor (Senior Lecturer), Institute of Neuroscience and Psychology, Centre for Cognitive Neuroimaging, University of Glasgow
2011-2013	Assistant Professor (Lecturer), School of Psychology, University of Nottingham
2010-2011	Research Scientist, Department of Psychology, Freie Universität Berlin
2007-2011	Research Scientist, Max Planck Institute for Human Development Berlin
2003-2007	Research Assistant, Department of Biomedical Engineering, Columbia University
2001-2003	Research Assistant, Department of Neuroscience, Stanford University
1998-2001	Research Assistant, Department of Psychology & Bioengineering, Rutgers University

Awards/Honours

2022	Named in “People Make Research” campaign for research leadership and creativity, Univ of Glasgow
2004-2007	A.G. Leventis Foundation Graduate Fellowship
2003-2007	Columbia University Graduate Fellowship
2001-2003	Stanford University Graduate Fellowship
2003	E-Challenge Finalist - Stanford Business Plan Competition
2001	Valedictorian, Biomedical Engineering Graduating Class, Rutgers University
2001	John Michelis Award for excellence in Bioengineering research, Rutgers University

2001 Winner of Rutgers School of Engineering Project Design Competition
2001 James J. Slade Scholar (Rutgers Engineering Honors Program)
1998 Certificate of Academic Excellence, Rutgers University
1998 Ranked 1st in General Chemistry (> 300 students), Rutgers University

Society Membership (since)

2013 Society for Neuroeconomics
2009 Cognitive Neuroscience Society
2006 Organization for Human Brain Mapping
2004 Society for Neuroscience
2000 Tau Beta Pi Honor Society
1998 Phi Eta Sigma National Honor Society
1998 Golden Key national Honor Society

C. Research Support

ERC Consolidator Grant – €2,000,000 2021-2026
Dynamic network reconstruction of human perceptual and reward learning via multimodal data fusion
Role: Principal Investigator

Wellcome Trust – £1,000,000 2020-2025
State of the art MEG-TRIUX-neo for advancing multi-modal neuroimaging techniques in Scotland (infrastructure award)
Role: Co-Investigator

Royal College of Physicians of Edinburgh – £200,000 2019-2022
fMRI signatures of depression and response to antidepressants in first episode psychosis
(JMAS Fellowship for F. Queirazza)
Role: Principal Investigator

ESRC (ES/L012995/1) – £626,247 2015-2018
Neural correlates of learning and confidence during decision-making and their utility in developing "intelligent" information technologies
Role: Principal Investigator

BBSRC (BB/J015393/1-2) – £526,030 2012-2016
Spatiotemporal characterization of value judgments and reward processing in the human brain
Role: Principal Investigator

MRC PsySTAR – £375,568 2014-2017
Improving the prediction of treatment response in Major Depression using a machine learning-based neuroimaging analysis approach
Role: Principal Investigator

MRC (MR/J01186X/1) – £ 414,574 2012-2014
A protocol for assessing the effects of treatment on the function of brain networks implicated in cognitive impairment in schizophrenia and ADHD
Role: Co-Investigator

British Academy (BA/SG121587) – £ 10,000 2013-2015
Neural correlates of decision confidence in the human brain
Role: Principal Investigator

Royal Society (RS/RG110054) – £ 15,000 2011-2012
A mechanistic account of preference judgments in the human brain

Role: Principal Investigator

EPSRC Small Equipment Award – £ 10,000 2012-2013
Developing a new analysis framework for high-density electroencephalography
Role: Principal Investigator

D. Research Supervision

Post-doctoral Fellows (Current)

2022- Tarryn Balsdon (UoG): *"Spatiotemporal neural characterization of confidence and learning".*

2021- Joana Carvalheiro (UoG): *"Spatiotemporal neural characterization of appetitive vs aversive learning".*

2019- Filippo Queirazza (UoG): *"fMRI biomarkers of response to antidepressants in first episode psychosis".*

Post-doctoral Fellows (Past)

2015-2018 Andrea Pisauro (UoG): *"Spatiotemporal characterization of the neural correlates of confidence and learning during decision making"* – Next appointment: Postdoc at Oxford University

2015-2017 Emanuele De Luca (UoG): *"Neural correlates of social and non-social forms of uncertainty in decision making"* – Next appointment: Lecturer at University of Glasgow (currently Senior Teaching Fellow, Kings College London)

2012-2016 Elsa Fouragnan (UoG): *"Spatiotemporal characterization of the neural correlates of prediction error processing during reinforcement learning"* – Next appointment: Postdoc at Oxford University (currently Assistant Professor at Plymouth University)

2012-2014 Christopher Retzler (UoG): "*Spatiotemporal characterization of the neural correlates of value-based decision making"* – Next appointment: Lecturer at Huddersfield University (currently Senior Lecturer at Huddersfield University)

PhD Students (Current, Primary Supervision only)

2022- Belén M Montabes de la Cruz, PhD Thesis (UoG): "*Visual-imagery in decision making".*

2020- Sean Westwood, PhD Thesis (UoG): "*Neural correlates of reward- vs punishment-based learning".*

2019- Ralitsa Kostova, PhD Thesis (UoG): "*Neural correlates of risk during social decision making".*

2018- Kitti Ban, PhD Thesis (UoG): "*EEG-informed fMRI and pupillometry during reward learning".*

2018- Desislava Arabadzhiyska, PhD Thesis (UoG): "*Neural correlates of social vs non-social decision making".*

PhD Students (Completed, Primary Supervision only)

2015-2021 Gabriela De Souza, PhD Thesis (UoG): "*Multisensory integration during decision making in humans".*

2013-2018 Jessica Diaz, PhD Thesis (UoG): "*Neural mechanisms underlying perceptual learning in decision making".*

2015-2019 Leon Franzen, PhD Thesis (UoG): "*Neural underpinnings of perceptual decision making in dyslexia".*

2014-2019 Filippo Queirazza, PhD Thesis (UoG): "*Predicting treatment response in depression using neuroimaging".*

2013-2017 Ana Gherman, PhD Thesis (UoG): "*Neural mechanisms underlying decision confidence".*

Masters Students (Current)

2021-2022 He Xiao, MSc Thesis (UoG): "fMRI *meta-analysis of appetitive vs aversive prediction errors".*

Masters Students (Completed)

2019-2020 Sean Westwood, MSc Thesis (UoG): "*Pupillometry during reward- vs punishment-based learning".*

2019-2020 Maria Katsouli, MSc Thesis (UoG): "*Fusing diffusion modelling with reinforcement learning".*

2017-2018 Bharti Gupta, MSc Thesis (UoG): "S*peed-accuracy tradeoff in perceptual decision making".*

2017-2018 Dimana Atanassova, MSc Thesis (UoG): "*EEG-informed pupillometry during reward learning".*

2014-2015 Guus van Loon, MSc Thesis (UoAmsterdam): *"Neural correlates of branding biases in decision making".*

2014-2015 Leon Franzen, MSc Thesis (UoG): "*Neural underpinnings of value-based decision making in dyslexia".*

2013-2014 Filippo Queirazza, MSc Thesis (UoG): "*Neural mechanisms of depression during reward learning".*

2012-2013 Ana Gherman, MSc Thesis (UoN): "*Neural mechanisms underlying decision confidence".*

2009-2010 Niels Kloosterman, MSc Thesis (MPI): "*Neural mechanisms underlying simple auditory decisions".*

2008-2009 Helen Blank, MSc Thesis (MPI): "*Temporal characteristics of punishment during decision making*".

2007-2009 Niki Vavatzanidis, MSc Thesis (MPI): "*Neural correlates of prediction error in reinforcement learning*".

2007-2008 Philipp Kazzer, MSc Thesis (MPI): "*Fitting and selecting reinforcement learning models*".

E. Invited Talks

Keynote and Plenary Talks

2020 TEDx Glasgow [https://tinyurl.com/yy24wwlk]
2020 OHBM Mini Conference (part of FENS Forum 2020), Multiscale, Multimethod Human Brain Mapping
2018 FENS Brain Conference: The Computational Neuroscience of Prediction
2017 Tuebingen Systems Neuroscience Symposium
2017 British Association for Cognitive Neuroscience Conference
2017 Human Brain Project, Open Day Event
2017 CuttingEEG Symposium III, University of Glasgow
2017 Computational and Systems Neuroscience (CoSyNe) Meeting
2015 Cutting EEG Symposium (II), Berlin School of Mind and Brain
2014 Annual Scottish Neuroscience Group Meeting

Colloquia and External Seminars

2021 Faculty of Biological Sciences, University of Leeds
2020 Institute of Systems Neuroscience, University Medical Center Hamburg-Eppendorf
2019 Center for Cognitive Neuroscience Berlin (CCNB), Free University Berlin
2019 CUBRIC Brain Imaging Research Centre, Cardiff University
2018 Cognition and Brain Sciences Unit, Cambridge University
2017 Trinity College Institute of Neuroscience, Trinity College Dublin
2017 Computational, Cognitive and Clinical Neuroimaging Group, Imperial College London
2016 Oxford Functional Neurosurgery, Oxford University
2015 Geneva Biotech Campus, Neuroscience Centre, University of Geneva
2015 Department of Psychology, University of Leuven
2015 Department of Psychology, University of Birkbeck
2014 Department of Economics, University of Zurich
2014 Department of Psychology, Swansea University
2013 School of Experimental Psychology, Bristol University
2013 Institute for Neuroscience and Psychology, Glasgow University
2012 Department of Experimental Psychology, Oxford University
2012 Cognitive Science Center, University of Amsterdam
2012 Department of Psychology, University of Plymouth
2011 Department of Biomedical Engineering, Columbia University
2010 School of Psychology, University of Nottingham
2010 Center for Adaptive Behavior and Cognition, MPI Human Development
2009 Center for Cognitive Neuroimaging, University of Glasgow
2008 Biological Psychology and Neuropsychology Unit, Hamburg University
2008 Riken Brain Science Institute, Theoretical Neuroscience Group
2008 University of Cyprus, Department of Electrical Engineering
2007 University of Pennsylvania, Department of Psychology
2007 Drexel University, School of Biomedical Engineering
2007 Max Planck Institute for Human Development

F. Review Activities

Journal Reviews

Nature Neuroscience, Nature Communications, Nature Human Behaviour, Current Biology, Proceedings of the National Academy of Sciences (PNAS), eLife, Journal of Neuroscience, Psychological Science, PLoS Computational Biology, PLoS Biology, Progress in Neurobiology, Cerebral Cortex, Neuroimage, Journal of Vision, Journal of Neurophysiology, Scientific Reports, Communications Biology, Journal of Cognitive Neuroscience, Human Brain Mapping, European Journal of Neuroscience, Cortex, Brain Tomography, Social Neuroscience, Social, Cognitive and Affective Neuroscience, BMC Neuroscience, Memory and Cognition, Psychonomic Bulletin & Review, Neuropsychologia, Psychophysiology, Experimental Brain Research, PLoS One, Brain Research, Brain Connectivity, Frontiers in Human Neuroscience, Frontiers in Perception Science, Neurobiology of Aging, Clinical Neurophysiology, Translational Neuroscience, Addiction Biology, IEEE Signal Processing Magazine, IEEE Transactions on Biomedical Engineering, IEEE Transactions on Neural Systems & Rehabilitation Engineering

Grant Reviews

European Research Council (ERC), National Science Foundation (NSF), Wellcome Trust (WT), Biotechnology and Biological Sciences Research Council (BBSRC), Economic and Social Research Council (ESRC), Medical Research Council (MRC), British Academy, Portuguese Foundation for Science and Technology (FCT), French National Research Agency (ANR), Dutch Organisation for Scientific Research (NWO), German Research Foundation (DFG)

G. Committees & Editorial Boards

Conference and Workshop Committees

2022	Local Organising Committee, Organization for Human Brain Mapping (OHBM) Conference 2022
2018	Organiser, British Association for Cognitive Neuroscience Conference (100 participants; UoG)
2017	Organiser, "CuttingEEG" International Symposium (300 participants, hosted at UoG)

Departmental and University Committees

2020-	EEG & EEG-fMRI Lead – Centre for Cognitive Neuroimaging Operations Committee (UoG)
2019-	Member, School/Institute Executive Committee (UoG)
2019-	Head, Grant Writing Group (UoG) – Managing internal peer review of grant proposals & grant outcomes
2017-	Member, Paper Writing Group (UoG) – Internal peer reviewing of manuscripts
2015-2020	Deputy Chair, Ethics Committee, College of Science & Engineering (UoG)
2014-2016	Deputy Coordinator, MSc Programmes in Brain Imaging & Psychology (UoG)
2012-2013	Member, BBSRC DTP Skills and Development Thesis Committee (UoN)

External PhD Thesis Committees (by Invitation)

2021	Wojciech Zajkowski, Department of Psychology, CUBRIC, Cardiff University
2020	Xueqing Liu, Department of Biomedical Engineering, Columbia University
2018	Hannah Tickle, Department of Experimental Psychology, University College London
2015	Bin Lou, Department of Biomedical Engineering, Columbia University
2015	Annika Boldt, Department of Experimental Psychology, Oxford University
2015	Stijn Verdonck, Department of Psychology, KU Leuven

Editorial Boards (by Invitation)

2019-	Handling Editor, eLife
2018-	Handling Editor, PLoS Biology
2014-	Handling Editor, Frontiers in Psychology and Neuroscience

H. Teaching Experience

University of Glasgow

PSYCH4064 Neuroscience of Decision Making (2014-)
PSYCH4056 Critical Reviews (2014-)
PSYCH4007 Maxi Projects (2013-)
BBSRC Skills Training EEG Analysis Workshop (2014-)

University of Nottingham

C81MPR	Practical Methods in Psychology (2011-13)
C83MAB	Mind and Brain (2011-13)
C84EBM	Methods for Cognitive Neuroscience (2011-12)
C84LCN	Experimental Design in Neuroimaging (2011-13)
C84FIM	Functional Imaging Methods (2012-13)

Max Planck Institute

Methods Course for Human Electrophysiology (2008)

Columbia University

BME4001	Quantitative Physiology (2005, Teaching Assistant)
BME3320	Fluid Biomechanics (2004, Teaching Assistant)

Stanford University

EE113	Analog Electronics (2001, Teaching Assistant)

I. Publications

Preprints

S Verdonck, T Loossens, and M.G. Philiastides (2022), "Sensorimotor decisions rely on the entanglement of evidence and motor accumulation processes", *bioRxiv, https://doi.org/10.1101/2022.05.16.492075.*

D.H. Arabadzhiyska, O.G. B. Garrod, E. Fouragnan, E. De Luca, P.G. Schyns, and M.G. Philiastides (2021), "A common neural currency account for social and non-social decisions", *bioRxiv, https://doi.org/10.1101/2021.10.18.464762.*

M.A. Pisauro, E. Fouragnan, D. Arabadzhiyska, M. Apps, and M.G. Philiastides (2021), "Neural Implementation of Bayesian mechanisms underlying the continuous trade-off between cooperation and competition", *PsyArXiv, https://doi.org/10.31234/osf.io/3e6bw.*

Journal Publications

MG Philiastides, T Tu, P Sajda (2021), "Inferring macroscale network dynamics via EEG-fMRI fusion", *Annual Reviews in Neuroscience, 44: 315-334*.

S Verdonck, T Loossens, MG Philiastides (2021), "The leaky integrating threshold and its impact on evidence accumulation models of choice RT", *Psychological Review, 128(2): 203-221*.

L Franzen, I Delis, G De Sousa, C Kayser and MG Philiastides (2020), "Auditory information enhances post-sensory visual evidence during rapid multisensory decision-making"*, Nature Communications, 11: 5440.*

D Rahnev, K Desender, [...], MG Philiastides, Ariel Zylbergerb (2020), *"*The Confidence Database", *Nature Human Behaviour, 4: 317-325.*

F Queirazza, E Fouragnan, D Steele, J Cavanagh, MG Philiastides (2019), "Neural correlates of prediction error during reinforcement learning classify response to Cognitive Behavioural Therapy in depression", *Science Advances, 5 (7): eaav4962*.

S Gherman, MG Philiastides (2018), "Human VMPFC encodes early signatures of confidence in perceptual decisions", eLife, 7: e38293.

E Fouragnan, C Retzler, MG Philiastides (2018), "Separate neural representations of prediction error valence and surprise: evidence from an fMRI meta-analysis", *Human Brain Mapping, 39: 2887-2906.*

AR Weiss, MJ Gillies, MG Philiastides, MA Apps, MA Whittington, JJ FitzGerald, SG Boccard, TZ. Aziz, AL Green (2018), "Dorsal anterior cingulate cortices differentially lateralize prediction errors and outcome valence in a decision-making task"*, Frontiers Human Neuroscience, 12: 203*

MA Pisauro, E Fouragnan, C Retzler, MG Philiastides (2017), "Neural correlates of evidence accumulation during value-based decisions revealed via simultaneous EEG-fMRI", *Nature Communications, 8: 15808.*

E Fouragnan, F Queirazza, C Retzler, KJ Mullinger, MG Philiastides (2017), "Spatiotemporal neural characterization of prediction error valence and surprise during reward learning in humans", *Scientific Reports, 7: 4762.*

JA Diaz, F Queirazza, MG Philiastides (2017), "Perceptual learning alters post-sensory processing in human decision making", *Nature Human Behaviour, 1 (35): 1-9.*

S Kayser, MG Philiastides, C Kayser (2017), "Sounds facilitate visual motion discrimination via enhancement of late occipital visual representations", *Neuroimage, 148: 31-41.*

I Delis, A Onken, PG Schyns, S Panzeri, MG Philiastides (2016), "Space-by-time non-negative matrix factorization for single-trial decoding of M/EEG activity", *Neuroimage, 133: 504-515.*

E Fouragnan, C Retzler, KJ Mullinger, MG Philiastides (2015), "Two spatiotemporally distinct value systems shape reward-based learning in the human brain", *Nature Communications, 6: 8107.*

S Gherman, MG Philiastides (2015), "Neural representations of confidence emerge from the process of decision formation during perceptual choices", *Neuroimage, 106: 134-143.*

MG Philiastides, H Heekeren, P Sajda (2014), "Human scalp potentials reflect a mixture of decision-related signals during perceptual choices", *Journal of Neuroscience, 34 (50): 16877-16889.*

B Lou, Y Li, MG Philiastides, P Sajda (2013), "Prestimulus alpha power predicts fidelity of sensory encoding in perceptual decision making", *Neuroimage, 87, 242-251.*

MG Philiastides, R Ratcliff (2013), "Influence of branding on preference-based decision making", *Psychological Science, 24 (7): 1208-1215.*

H Blank, G Biele, HR Heekeren, MG Philiastides (2013), "Temporal characteristics of the influence of punishment on perceptual decision making in the human brain", *Journal of Neuroscience*, *33 (9): 3939-3952.*

F Filimon, MG Philiastides, N Kloosterman, JD Nelson, HR Heekeren (2013), "How embodied is perceptual decision making? Evidence for separate processing of perceptual and motor decisions", *Journal of Neuroscience*, *33: 2121-2136.*

MG Philiastides, R Auksztulewicz, HR Heekeren, F Blankenburg (2011), "Causal role of dorsolateral prefrontal cortex in human perceptual decision making", *Current Biology, 21 (11): 980-983.*

MG Philiastides, G Biele, HR Heekeren (2010), "A mechanistic account of value computation in the human brain", *Proceedings of the National Academy of Science (PNAS), 107 (20): 9430-9435.*

MG Philiastides, G Biele, N Vavatzanidis, P Kazzer, HR Heekeren (2010), "Temporal dynamics of prediction error processing during reward-based decision making", *NeuroImage, 53 (1): 221-232.*

P Sajda, MG Philiastides, L Parra (2009), "Single-trial analysis of neuroimaging data: inferring neural networks underlying perceptual decision making in the human brain", *IEEE Reviews Biomedical Engineering, 2: 97-109.*

R Ratcliff, MG Philiastides, P Sajda (2009), "Quality of evidence for perceptual decision making is indexed by trial-to-trial variability of the EEG", *Proceedings of the National Academy of Science (PNAS), 106 (16): 6539-6544.*

RI Goldman, C-Y Wei, MG Philiastides, AD Gerson, D Friedman, TR Brown, P Sajda (2009), "Single-trial discrimination for integrating simultaneous EEG and fMRI: Identifying cortical areas contributing to trial-to-trial variability during in the auditory task", *NeuroImage, 47(1): 136-147.*

LC Parra, C Christoforou, AD Gerson, M Dyrholm, A Luo, M Wagner, MG Philiastides, P Sajda (2008), "Spatiotemporal linear filters for decoding brain state: Application to performance augmentation in high-throughput tasks", *IEEE Signal Processing Magazine, 25 (1): 107-115*.

MG Philiastides, P Sajda (2007), "EEG-informed fMRI reveals spatiotemporal characteristics of perceptual decision making", *Journal of Neuroscience, 27 (48): 13082-13091.*

MG Philiastides, R Ratcliff, P Sajda (2006), "Neural representation of task-difficulty and decision-making during perceptual categorization: a timing diagram", *Journal of Neuroscience, 26 (35): 8965-8975.*

MG Philiastides, P Sajda (2006), "Causal influences in the human brain during face discrimination: a short-window directed transfer function approach", *IEEE Transaction on Biomedical Engineering*, *53 (12): 2602-2605*.

MG Philiastides, P Sajda (2006), "Temporal characterization of the neural correlates of perceptual decision making in the human brain", *Cerebral Cortex 16(4): 509-518.*

J Muller, MG Philiastides, WT Newsome (2005), "Microstimulation of the superior colliculus focuses attention without moving the eyes", *Proceedings of the National Academy of Science (PNAS), 102(3): 524-529.*

Book Chapters (by Invitation)

MG Philiastides, J Diaz, S Gherman (2015), "Spatiotemporal characteristics and modulators of perceptual decision making in the human brain", Decision Neuroscience - Handbook of Reward and Decision Making, Eds: Jean-Claude Dreher and Léon Tremblay, Academic Press, Academic Press.

P Sajda, MG Philiastides, HR Heekeren, R Ratcliff (2010), "Neuroimaging for Linking Neuronal Variability to Perceptual Decision Making", *Neuronal Variability and Its Functional Significance, Eds: Mingzhou Ding and Dennis Glanzman, Oxford University Press*.

MG Philiastides, HR Heekeren (2009), "Spatiotemporal characteristics of perceptual decision making in the human brain", Reward and decision making, Eds: Jean-Claude Dreher and Léon Tremblay, Academic Press.

P Sajda, AD Gerson, MG Philiastides, LC Parra (2007), "Single-trial analysis of EEG during rapid visual discrimination: enabling cortically-coupled computer vision", *Towards Brain-Computer Interfacing, Eds: G. Dornhege, J.R. Mullan, T. Hinterberger, D.J. McFarland and K.R. Muller, MIT Press.*

Conference Papers

G Paterson, P McElhinney, MG Philiastides, G. Shajan, "*A tight-fit 8-channel transceiver array for simultaneous EEG-fMRI at 7-Telsa*", 28th ISMRM Annual Meeting*, April 18-23, 2020, Sydney, Australia.*

P Sajda, RI Goldman, MG Philiastides, AD Gerson, TR Brown, "*A System for Single-trial Analysis of Simultaneously Acquired EEG and fMRI*", *3rd Intl IEEE EMBS Conference on Neural Engineering, May 2-5, 2007, Kohala Coast, HI, USA*

A Luo, MG Philiastides, J Wielaard, P Sajda, "Consistency of Extracellular and Intracellular Classification of Simple and Complex Cells", *The Annual Meeting of the Organization for Computational Neurosciences (CNS), 17-21 July 2005, Madison, Wisconsin, USA.*

E Andreeva, P Aarabi, MG Philiastides, K Mohajer, M Emami, "Driver Drowsiness Detection Using Multi-Modal Sensor Fusion", *SPIE Proceedings Vol. 5434: Multisensor, Multisource Information Fusion: Architectures, Algorithms and Applications VIII, p380-390, April 2004.*

Conference Abstracts

R Kostova, MG Philiastides, "Spatiotemporal characterization of social risk and risk-prediction error in humans", *Organisation for Human Brain Mapping Annual Meeting, 19-23 June 2022, Glasgow, UK.*

F Queirazza, D Steele, J Cavanagh, MG Philiastides, "fMRI signatures of Pavlovian and Instrumental control during a modified go/nogo task", *Organisation for Human Brain Mapping Annual Meeting, 19-23 June 2022, Glasgow, UK.*

S Westwood, A Vinciarelli, MG Philiastides, "Temporal Characterization of the Neural Signatures of Appetitive versus Aversive Learning", *Organisation for Human Brain Mapping Annual Meeting, 19-23 June 2022, Glasgow, UK.*

DH Arabadzhiyska, O Garrod, P Schyns, MG Philiastides, "A common neural currency account for social and non-social decision making", *Organisation for Human Brain Mapping Annual Meeting, 19-23 June 2022, Glasgow, UK.*

P McElhinney, G Paterson, MG Philiastides, and S Gunamony, "Numerical Modelling of a Close-fitting 8-channel Transceiver Head Coil and EEG Electrodes for Safety Validation at 7T", *ISMRM Annual Meeting, 15-20 May 2021.*

DH Arabadzhiyska, O Garrod, P Schyns, MG Philiastides, "A common neural currency account for social and non-social decision making", *International Symposium on Biology of Decision Making, 10-12 May 2021, Paris, France.*

F Queirazza, A Pisauro, DH Arabadzhiyska, MG Philiastides, "A computational account of decision confidence during perceptual learning", *FENS 2020 Forum, 11-15 July, 2020, Glasgow, UK.*

DH Arabadzhiyska, MG Philiastides, "Spatiotemporal neural characterization of social and non-social decision making using simultaneous EEG-fMRI", *FENS 2020 Forum, 11-15 July 2020, Glasgow, UK.*

G. Paterson, P McElhinney, MG Philiastides, and S Gunamony , "A tight-fit 8-channel transceiver array for simultaneous EEG-fMRI at 7-Tesla", *ISMRM Annual Meeting, April 18-23 2020.*

F Queirazza, A Pisauro, MG Philiastides, "The role of confidence during perceptual learning with and without feedback" *9th International Symposium on Biology of Decision Making, 27-29 May, 2019, Oxford, UK.*

A Pisauro, EF Fouragnan M Apps, MG Philiastides, "The neural trade-off between social cooperation and competition in the Space Dilemma", *9th International Symposium on Biology of Decision Making, 27-29 May 2019, Oxford, UK.*

I Delis, R Ince, MG Philiastides, P Sajda, Q Wang, "Harnessing multivariate data analyses and model-based cognitive neuroscience to unravel the latent neural processes of decision formation", *UK Neural Computation Conference, July 1-3 2019, Nottingham, UK.*

E De Luca, E Fouragnan, MG Philiastides, "Temporal Characterization of Risk Prediction and Error in the Human Brain", *FENS Brain Conference 15-18 April 2018, Rungstedgaard, Denmark.*

MA Pisauro, MG Philiastides, "The role of confidence during perceptual learning in supervised and unsupervised contexts", *FENS Brain Conference 15-18 April 2018, Rungstedgaard, Denmark.*

L Franzen, G De Sousa, C Kayser, MG Philiastides, "Electrophysiology reveals different processing of multisensory perceptual evidence in adult dyslexia", *British Dyslexia Association International Conference*, April 2018 *Telford, UK.*

MA Pisauro, E Fouragnan, MG Philiastides, "Studying the neural trade-off between human social cooperation and competition through the time dilemma", *Neuroeconomics Society Annual Conference, October 2017, Toronto, Canada.*

L Franzen, G De Sousa, C Kayser, MG Philiastides, "Temporal characterization of the neural correlates of multisensory perceptual decision making in adult dyslexia", *Society for Neuroscience, 47th Annual Meeting, 11-17 November 2017, Washington, DC.*

G De Sousa, L Franzen, C Kayser, MG Philiastides, "Changes to post-sensory neural processing predict performance enhancements in human multisensory decision making", *Society for Neuroscience, 47th Annual Meeting, 11-17 November 2017, Washington, DC.*

S Gherman, MG Philiastides, "Human ventromedial prefrontal cortex encodes early signatures of confidence in perceptual decisions", *Society for Neuroscience, 47th Annual Meeting, 11-17 November 2017, Washington, DC.*

MA Pisauro, E Fouragnan, C Retzler, MG Philiastides, "Evidence accumulation during value-based decision making in humans through simultaneous EEG-fMRI", *Organisation for Human Brain Mapping, 22nd Annual Meeting, 26-30 June 2016, Geneva, Switzerland.*

F Queirazza, E Fouragnan, D Steele, J Cavanagh, MG Philiastides, "Neural signatures of reinforcement learning predict response to computerised CBT in depression", *Organisation for Human Brain Mapping, 22nd Annual Meeting, 26-30 June 2016, Geneva, Switzerland.*

R Krishnadas, F Queirazza, J McLean, MG Philiastides, J Cavanagh, Pre-treatment default mode network connectivity is associated with response to cognitive therapy, *Organisation for Human Brain Mapping, 22nd Annual Meeting, 26-30 June 2016, Geneva, Switzerland.*

S Gherman, MG Philiastides, "Spatiotemporal characterization of decision confidence in the human brain", *Organisation for Human Brain Mapping, 22nd Annual Meeting, 26-30 June 2016, Geneva, Switzerland.*

E De Luca, E Fouragnan, MG Philiastides, "Temporal characterization of risk prediction and error in the human brain", *Neuroeconomics Society, Annual Conference, 28-30 August 2016, Berlin, Germany.*

L Franzen, MG Philiastides, "Legal Lexical Decision Making in Adult Dyslexia: Indications for Neurophysiologically Different Processing of Italic Font", *10th British Dyslexia Association International Conference, March 2016 Oxford, UK.*

E Fouragnan, C Retzler, KJ Mullinger, MG Philiastides, "Spatiotemporal characterization of reward-based learning in humans using simultaneous EEG/fMRI", *Society for Neuroscience, 45th Annual Meeting, 17-21 October 2015, Chicago, IL.*

MA Pisauro, E Fouragnan, C Retzler, KJ Mullinger, MG Philiastides, "Spatiotemporal characterization of value-based decision making in humans using simultaneous EEG/fMRI", *Society for Neuroscience, 45th Annual Meeting, 17-21 October 2015, Chicago, IL.*

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