
CURRICULUM VITAE (as of May 2019)

NAME: **Marios G. Philiastides**

POSITION TITLE: Reader (Associate Professor), Institute of Neuroscience and Psychology, University of Glasgow

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	COMPLETION DATE	FIELD OF STUDY
Columbia University	Ph.D.	06/2007	Biomedical Engineering
	M.Phil.	06/2004	(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 and value-based 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 & EEG-pupilometry) and 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.

B. Positions and Honors

Employment / Experience

2016-	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
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/Honors

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

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: Co-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. Publications

Journal Publications

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 (In Press)*.

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 Boccia, 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 (5): 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 Kazzner, 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

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

A Luo, MG Piliastides, 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 Piliastides, 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

F Quierazza, A Pisauro, MG Piliastides, "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 Piliastides, "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 Piliastides, 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 Piliastides, "Temporal Characterization of Risk Prediction and Error in the Human Brain", *FENS Brain Conference 15-18 April, 2018, Rungstedgaard, Denmark*.

MA Pisauro, MG Piliastides, "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 Piliastides, "Electrophysiology reveals different processing of multisensory perceptual evidence in adult dyslexia". *The 11th British Dyslexia Association International Conference*, April 2018, Telford, UK.

MA Pisauro, E Fouragnan, MG Piliastides, "Studying the neural trade-off between human social cooperation and competition through the time dilemma", *Neuroeconomics Society, Annual Conference, 6-8 October, 2017, Toronto, Canada*.

L Franzen, G De Sousa, C Kayser, MG Piliastides, "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 Piliastides, "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 Piliastides, "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 Piliastides, "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 Piliastides, "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.*

F Queirazza, E Fouragnan, J Cavanagh, D Steele, MG Philiastides, "Neural signatures of reinforcement learning in depressed subjects predict response to Cognitive Behavioural Therapy", *Society for Neuroscience, 45th Annual Meeting, 17-21 October, 2015, Chicago, IL.*

JA Diaz, MG Philiastides, "Perceptual learning affects post-sensory processing on a visual decision making task", *Society for Neuroscience, 45th Annual Meeting, 17-21 October, 2015, Chicago, IL.*

I Krajbich, R Ratcliff, C Retzler, A Rangel, MG Philiastides, "Eye movements reveal the effect of branding on consumer decisions", *Neuroeconomics Society, Annual Conference, 26-28 September, 2014, Miami, FL.*

S Gherman, MG Philiastides, "Temporal characteristics of choice confidence in perceptual decision making", *Organisation for Human Brain Mapping, Annual Meeting, 8-12 June, 2014, Hamburg, Germany.*

E Fouragnan, C Retzler, KJ Mullinger, MG Philiastides, "EEG-informed fMRI reveals spatiotemporal dynamics of prediction error processing during learning", *Organisation for Human Brain Mapping, 20th Annual Meeting, 8-12 June, 2014, Hamburg, Germany.*

E Fouragnan, C Retzler, KJ Mullinger, MG Philiastides, "Spatiotemporal characterization of prediction error processing in adaptive decision making using simultaneous EEG/fMRI", *Neuroeconomics Society, Annual Conference, 27-29 September, 2013, Lausanne, Switzerland.*

N Kloosterman, F Filimon, MG Philiastides, T van Zuijen, A Werner, U Lindenberger, HR Heekeren, "Auditory Decision-making relies on a prefrontal sensory comparator mechanism", *Society for Neuroscience, 41st Annual Meeting, 12-16 November, 2011, Washington, DC.*

N Kloosterman, F Filimon, MG Philiastides, T van Zuijen, A Werner, U Lindenberger, HR Heekeren, "Auditory Decision-making relies on a prefrontal sensory comparator mechanism", *Organization for Human Brain Mapping, 16th Annual Meeting, 6-10 June, 2010, Barcelona, Spain.*

D Hämmerer, G Biele, MG Philiastides, S Schroeder, V Mueller, U Lindenberger, S-C Li, "Lifespan differences in electrophysiological correlates of early monitoring and late evaluative processes of choice-outcome-contingency: differential roles of feedback-related negativity and feedback-related positivity", *Cognitive Neuroscience Society 17th Annual Meeting, 17-20 April, 2010, San Francisco.*

F Filimon, N Kloosterman, JD Nelson, MG Philiastides, HR Heekeren, "Disentangling sensory integration and motor planning during perceptual decision-making", *Cognitive Neuroscience Society 17th Annual Meeting, 17-20 April, 2010, San Francisco, California.*

D Hämmerer, G Biele, MG Philiastides, S Schröder, U Lindenberger, S-C Li. "Electrophysiological indicators of lifespan differences in the monitoring of and learning from choice outcomes", *Dallas Conference on Aging and Cognition, 30 January - 1 February, Dallas, Texas.*

MG Philiastides, G Biele, HR Heekeren, "Probabilistic decision making in the human brain", *Society for Neuroscience 39th Annual Meeting, 17-21 October 2009, Chicago, Illinois.*

F Filimon, JD Nelson, N Kloosterman, MG Philiastides, HR Heekeren, "Sensory and motor correlates of perceptual decision making investigated with fMRI", *Society for Neuroscience 39th Annual Meeting, 17-21 October 2009, Chicago, Illinois.*

MG Philiastides, P Sajda, HR Heekeren, "Categorization of accumulated sensory evidence: a flexible link between decision and action", *Cognitive Neuroscience Society 16th Annual Meeting, 21-24 March 2009, San Francisco, California.*

MG Philiastides, P Sajda, "EEG-informed fMRI reveals the cortical origins of temporally-specific EEG components identified during perceptual decision making", *Society for Neuroscience 37th Annual Meeting, 3-7 November 2007, San Diego, California.*

RI Goldman, MG Philiastides, N Wei, TR Brown, P Sajda, "Stimulus-locked and response-locked single-trial analysis for simultaneous EEG/fMRI", *Society for Neuroscience 37th Annual Meeting, 3-7 November 2007, San Diego, California.*

M Dyrholm, MG Philiastides, RI Goldman, TR Brown, P Sajda, "Decoding fMRI with temporal integration: Learning the hemodynamical response function", *Society for Neuroscience 37th Annual Meeting, 3-7 November 2007, San Diego, California.*

M Dyrholm, RI Goldman, MG Philiastides, N Wei, TR Brown, P Sajda, "Bilinear discriminant analysis for ICA component selection in EEG", *Organization for Human Brain Mapping, 13th Annual Meeting, 10-14 June 2007, Chicago, USA.*

RI Goldman, AD Gerson, MG Philiastides, D Friedman, TR Brown, P Sajda, "Quality of single-trial discrimination in simultaneous EEG/fMRI", *16th Annual Meeting of International Society for Magnetic Resonance in Medicine, 19-25 May 2007, Berlin, Germany.*

MG Philiastides, RI Goldman, P Sajda, "Cortical areas correlated with the distinct sources of uncertainty for the categorization of faces", *Organization for Human Brain Mapping, 12th Annual Meeting, 11-15 June 2006, Florence, Italy.*

RI Goldman, AD Gerson, MG Philiastides, D Friedman, TR Brown, P Sajda, "The effect of simultaneous EEG/fMRI on the fidelity of single-trial EEG components", *Organization for Human Brain Mapping 12th Annual Meeting, 11-15 June 2006, Florence, Italy.*

MG Philiastides, P Sajda, "The timing of EEG components indicative of stimulus evidence during perceptual decision-making", *Society for Neuroscience 35rd Annual Meeting, 12-16 November 2005, Washington DC.*

P Sajda, MG Philiastides, AD Gerson, "Using electroencephalography to characterize perceptual decision making in the human brain", *2nd Annual Computational Cognitive Neuroscience Conference, 10-11, November 2005, Washington DC.*

MG Philiastides, P Sajda, "Single-trial prediction of visual discrimination using an EEG-derived neurometric function", *Society for Neuroscience 34rd Annual Meeting, 23-27 October 2004, San Diego, California.*

JR Muller, MG Piliastides, WT Newsome, "Subthreshold microstimulation of superior colliculus (SC) mediates spatial attention", *Vision Sciences Society*, 30 Apr.- 5 May 2004, Sarasota, Florida.

JR Muller, MG Piliastides, WT Newsome, "Subthreshold microstimulation of superior colliculus (SC) mediates attention—Behavior and physiology", *Computational and Systems Neuroscience Meeting*, 24-28 March 2004, Cold Spring Harbor Laboratory, New York.

E Andreeva, P Aarabi, MG Piliastides, K Mohajer, M Emami, "Driver drowsiness detection using multi-modal sensor fusion", *SPIE Defence and Security Symposium*, 12-16 April 2004, Orlando, Florida.

JR Muller, MG Piliastides, WT Newsome, "Subthreshold Electrical Stimulation in the Superior Colliculus (SC) Modulates Activity in the Middle Temporal Area (MT)", *Society for Neuroscience 33rd Annual Meeting*, 8-12 November 2003, New Orleans, Louisiana.

JR Muller, MG Piliastides, WT Newsome, "Behavior changes functional connections within the rhesus monkey brain", *The joint international symposium COE2/SAGA5*, 14-17 November 2002, Inuyama International Sightseeing Center "Freude", Inuyama, Japan.

E. Research Supervision

Post-doctoral Fellows (Current)

2019- Filippo Queirazza (UoG): "*Computational phenotypes and fMRI signatures of depression and treatment response*".

Post-doctoral Fellows (Past)

2015-2018 Andrea Pisauro (UoG): "*Spatiotemporal characterization of the neural correlates of confidence and learning during decision making*".

2015-2017 Emanuele De Luca (UoG): "*Neural correlates of social and non-social forms of uncertainty in decision making*" – Now Lecturer at University of Glasgow

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

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

PhD Students (Current, Primary Supervision only)

2019- Kitti Ban, PhD Thesis (UoG): "*Neural correlates of mind wondering and decision making in the human brain*".

2018- Desislava Arabadzhyska, PhD Thesis (UoG): "*Multimodal neuroimaging of social decision making and learning*".

2015- Gabriela De Souza, PhD Thesis (UoG): "*Multisensory integration and decision making in the human brain using model-based neuroimaging*".

PhD Students (Past, Primary Supervision only)

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 economic decision making in dyslexia*".

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

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

Masters Students (Current)

2017-2018 Bharti Gupta, MSc Thesis (UoG): *“Confidence representations during speed-accuracy tradeoff in perceptual decision making”*.

Masters Students (Past)

2017-2018 Dimana Atanassova, MSc Thesis (UoG): *“EEG-informed pupillometry during reward learning”*.
2014-2015 Guus van Loon MSc Project (Intern – University of Amsterdam): *“Neural correlates of branding biases in consumer-based 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 underpinnings of unipolar depression during reinforcement guided decision making”*.
2012-2013 Ana Gherman, Master Thesis (UoN): *“Neural mechanisms underlying decision confidence”*.
2009-2010 Niels Kloosterman, Master Thesis (MPI): *“Neural mechanisms underlying simple auditory decisions”*.
2008-2009 Helen Blank, Master Thesis (MPI): *“Temporal characteristics of the neural correlates of monetary punishment on perceptual decision making”*.
2007-2009 Niki Vavatzanidis, Master Thesis (MPI): *“Identifying the neural correlates of prediction error during reinforcement learning using single-trial EEG”*.
2007-2008 Philipp Kazzer, Master Thesis (MPI): *“Fitting and selecting reinforcement learning models for model-based analysis of single-trial EEG data”*.

F. Invited Talks

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
2018 FENS Brain Conference: The Computational Neuroscience of Prediction
2017 Tuebingen Systems Neuroscience Symposium
2017 British Association for Cognitive Neuroscience Conference
2017 Trinity College Institute of Neuroscience, Trinity College Dublin
2017 CuttingEEG Symposium III, University of Glasgow
2017 Computational, Cognitive and Clinical Neuroimaging Group, Imperial College London
2017 Computational and Systems Neuroscience (CoSyNe) Meeting
2016 Oxford Functional Neurosurgery, Oxford University
2015 Geneva Biotech Campus, Neuroscience Centre, University of Geneva
2015 Department of Psychology, University of Leuven
2015 Cutting EEG Symposium (II), Berlin School of Mind and Brain
2015 Department of Psychology, University of Birkbeck
2014 Department of Economics, University of Zurich
2014 Annual Scottish Neuroscience Group Meeting
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

G. 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, Progress in Neurobiology, Cerebral Cortex, Neuroimage, Journal of Vision, Journal of Neurophysiology, Scientific Reports, Journal of Cognitive Neuroscience, Human Brain Mapping, European Journal of Neuroscience, 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

National Science Foundation (NSF), Wellcome Trust, 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)

H. Committees & Editorial Boards

Conference and Workshop Committees

2018 Organiser, British Association for Cognitive Neuroscience Conference (100 participants; UoG)
2017 Chair/Organiser, "CuttingEEG" International Symposium (300 participants, hosted at UoG)

Departmental and University Committees

2017- Member, Grant Writing Theme (UoG)
2017- Member, High Impact Paper Writing Theme (UoG)
2015- Deputy Chair, Ethics Committee, College of Science & Engineering (UoG)
2014- 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)

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)

2018- Academic (Handling) Editor, Plos Biology
2014- Associate (Handling) Editor, Frontiers in Psychology and Neuroscience

I. 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)