

5th Australasian Cognitive Neuroscience Society Conference

26 - 29 November 2015 | Auckland, New Zealand

CONFERENCE HANDBOOK



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POSTER SESSION

FML003: Functional organization of the parahippocampal cortex: Dissociable roles for context representations and the perception of visual scenes

Dr Oliver Baumann¹, Prof Jason B Mattingley¹

¹The University of Queensland, Australia

FML004: Lateralised processing of emotional images: the existence of a right hemisphere memory bias

Ms Ella Moeck¹, Dr Melanie Takarangi¹, Dr Nicole Thomas¹

¹Flinders University, Australia

FML006: Surprise not novelty drives the hypercorrection effect.

Dr David Cottrell¹, Ms Mikaela Berzinski¹, Dr Jason Lodge²

¹James Cook University, Australia, ²University of Melbourne, Australia

FML007: Semantic congruency matters for encoding recognition memory, but maybe not for retrieval: an effect consistent across age.

Ms Azlina Amir Kassim¹, Dr Jessica Price¹

¹University of Nottingham Malaysia Campus, Malaysia

FML008: The genetics of human memory: Influence of the BDNF Val66Met polymorphism and the COMT Val158Met polymorphism on visual LTP

Miss Meg Spriggs^{1,2,3}, Prof Jeff Hamm^{1,3}, Prof Ian Kirk^{1,2,3}

¹School of Psychology, University of Auckland, New Zealand, ²Brain Research New Zealand, New Zealand, ³Centre for Brain Research, University of Auckland, New Zealand

FML009: The functional role of human right hippocampal theta rhythm in encoding environment layout during spatial navigation

Miss Yi Pu^{1,2}, Dr Brian Cornwell³, A/Prof Blake Johnson^{1,2}

¹ARC Centre of Excellence in Cognition and its Disorders, Macquarie University, Australia, ²Department of Cognitive Science, Macquarie University, Australia, ³Brain and Psychological Sciences Research Centre, Swinburne University of Technology, Australia

FML010: An investigation of inhibitory modulation of human visual long-term Potentiation

Ms Rebecca Grass¹, Ms Rachael Sumner¹, Mr Jed Wilkins¹, Dr Frederick Sundram¹, Dr Suresh Muthukumaraswamy¹

¹University of Auckland, New Zealand

FML011: Improved metacognitive accuracy with the perceptual learning of low- but not high-level face properties

Mr Benjamin Chen¹, A/Prof Naotsugu Tsuchiya², Dr Matthew Mundy³

¹Monash University, Australia, ²Monash University, Australia, ³Monash University, Australia

Methods Development (FME)

FME001: BL: Neural systems modelling using an interactive visual framework

Mr Paul Robertson¹, Dr David Bullivant¹, A/Prof Mark Sagar¹

¹Laboratory for Animate Technologies, Auckland Bioengineering Institute, University of Auckland, New Zealand

FME002: Backlighting the brain: A closed loop selective EEG reinforcement system to induce deep relaxation.

Prof Nanda (D) Nandagopal¹, Dr Bernadine Cocks¹, Dr David Crone²

¹University of South Australia, Australia, ²Defence Science & Technology Group, Australia

FME003: Connectivity based parcellation of basal ganglia functional zones using diffusion-weighted MRI tractography

Dr Georg Kerbler¹, Dr Alexander Puckett¹, A/Prof Ross Cunnington¹

¹The University of Queensland, Australia

FME004: Functional imaging of basal ganglia at ultra-high field (7T)

Dr Alexander Puckett¹, Jake Palmer², Saskia Bollmann³, A/Prof Markus Barth³, A/Prof Ross Cunnington^{1,2}

¹Queensland Brain Institute, The University of Queensland, Australia, ²School of Psychology, The University of Queensland, Australia, ³Centre for Advanced Imaging, The University of Queensland, Brisbane, Australia

FME005: fMRI-adaptation at a whole-brain level: a new method for exploring the functional properties of the brain

Ms Marina Butko^{1,2}, A/Prof Anina Rich^{1,2}, Prof Polina Golland³, Prof Mark Williams^{1,2}

¹Perception in Action Research Centre (PARC), Macquarie University, Australia, ²Department of Cognitive Science, Macquarie University, Australia, ³Computer Science and Artificial Intelligence Laboratory (CSAIL), MIT, USA

Motor Processes (FMO)

FMO001: Spatiotemporal gait analysis during step-over-obstacle in symptomatic Huntington's disease

Naznine Anwar¹, Prof Kim Cornish¹, Dr Izelle Labuschagne², Prof Nellie Georgiou-Karistianis¹

¹Monash University, Australia, ²Australian Catholic University, Australia

FMO002: Maturation of grip selection planning is associated with improved action representation in typically developing individuals but not in children with pDCD

Mr Ian Fuelscher¹, Dr Jacqueline Williams², Dr Kate Wilmut³, A/Prof Peter G Enticott¹, Dr Christian Hyde¹

¹Deakin University, Australia, ²Victoria University, Australia, ³Oxford Brookes University, United Kingdom

FPE002: Differential attenuation of auditory and visual evoked potentials for sensations generated by hand and eye movements

Mr Nathan Mifsud¹, Dr Tom Beesley¹, Dr Thomas Whitford¹

¹UNSW Australia,

Sensation & Perception (FPE)

FPE003: Multisensory body perception for action in eating disorders

Dr Regine Zopf¹, Erika Contini¹, Chris Fowler², Dr Naresh Mondraty², Prof Mark A Williams¹

¹Perception in Action Research Centre & Department of Cognitive Science, Faculty of Human Sciences, Macquarie University & ARC Centre of Excellence in Cognition and its Disorders, Macquarie University, Australia, ²Wesley Eating Disorder Centre, Wesley Hospital, Australia

FPE004: The effects of orientation, size, and eye gaze on susceptibility to the vertical-horizontal illusion

Dr Oriane Landry¹, Lucy Carolan¹, Hayden Peel¹, Dr Philippe Chouinard¹

¹La Trobe University, Australia

FPE005: Colour envisioned: Concepts of colour in the blind and sighted

Mr Armin Sayani¹, Prof Michael Corballis¹, A/Prof Paul Corballis¹

¹The University of Auckland, New Zealand

FPE006: Steady-state visual evoked potentials reveal a neural correlate of visual filling-in in the human visual system

Lisa Wittenhagen¹, Prof Jason Mattingley^{1,2}

¹Queensland Brain Institute, The University of Queensland, Australia, ²School of Psychology, The University of Queensland, Australia

FPE007: Perceptual consequences of visual long-term potentiation

Mr Eric T Rosentreter¹, Mr Matt Oxner¹, A/Prof Paul Corballis¹

¹School of Psychology, A, New Zealand

FPE008: Evaluating subcategory representations in visual object recognition using magnetoencephalography

Miss Erika Contini^{1,2}, Prof Mark Williams^{1,2}, Dr Erin Goddard^{1,2}, Mr Tijl Grootswagers^{1,2}, Dr Thomas Carlson^{1,2}

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FPE010: Object size perception is influenced by priming but not by adaptation outside of visual awareness: A continuous flash suppression study.

Mr Joshua Sherman¹, Dr Robin Laycock¹, Dr Irene Sperandio², Dr Philippe Chouinard¹

¹La Trobe University, Australia, ²University of East Anglia, United Kingdom