Jessica McEadyen

Cognitive Neuroscientist



EDUCATION

PhD

Queensland Brain Institute, The University of Queensland

2015 – 2019

Prisbane. Australia

Supervised by Marta I. Garrido & Jason B. Mattingley Thesis: "Shortcuts for fear in the hierarchical visual brain"

Bachelor of Psychological Science (Hons I)

School of Psychology, The University of Queensland

2011 – 2014

P Brisbane, Australia

Supervised by Ross Cunnington

Thesis: "The effect of caricatured faces on neural signatures of empathy"

TECHNICAL SKILLS

Programming

- MATLAB
- JavaScript
- HTML
- Pvthon
- CSS

Human neuroimaging

- Univariate & multivariate M/EEG (SPM, Fieldtrip)
- Dynamic causal modelling of fMRI and MEG data
- Tractography of diffusion-weighted images (FSL, MRTrix)
- Behavioural decision modelling

ACADEMIC POSITIONS

Research Fellow

Max Planck UCL Centre for Computational Psychiatry and Ageing Research

2019 – present

♦ London, United Kingdom

Supervised by Ray Dolan

Postdoctoral Research Fellow

Queensland Brain Institute, The University of Queensland

2018 – 2019

Prisbane. Australia

Supervised by Oliver Baumann & Jason B. Mattingley

Research Assistant

The University of Queensland

2012-2017

Prisbane. Australia

Various casual positions serving the School of Psychology, the Queensland Brain Institute, and the Queensland Institute of Medical Research

OTHER POSITIONS

Guest Lecturer

Department of Experimental Psychology, University College London

= 2020

Value London, United Kingdom

Master of Research. Brain Sciences

Chair of ECR Executive Committee

Australian Research Council's Centre for Integrative Brain Function

2015 – 2016

Prisbane. Australia

Tutor

Refugee Tutoring Program, The University of Queensland

2015

Rrisbane Australia

IN PREP. | McFadyen J, Liu Y, Wise T, & Dolan R

Differential replay between reward and punishment predicts approach behaviour

IN PREP. | McFadyen J, Tsuchiya N, Smout C, Mattingley J B, & Garrido M I

Surprising threats accelerate evidence accumulation for conscious perception bioRxiv

2021 | McFadyen J, Nolan C, Pinocy E, Buteri D, & Baumann O

Doorways do not always cause forgetting: A multimodal investigation BMC Psychology

2020 | McFadyen J, Dolan R J, & Garrido M I

The influence of subcortical shortcuts on disordered sensory and cognitive processing Nature Reviews Neuroscience

2019 | McFadyen J

Investigating the subcortical route to the amygdala across species and in disordered fear responses Journal of Experimental Neuroscience

2019 | McFadyen J, Mattingley JB, & Garrido MI

An afferent subcortical white matter pathway to the amygdala facilitates fear recognition *eLife*

2018 | Baumann O, Vromen J M G, Cheung A, McFadyen J, Ren Y, & Guo C C

Neural correlates of temporal complexity and synchrony during audiovisual correspondence detection eNeuro

2017 | Bret, A, Beffara B, McFadyen J, & Mermillod M

Right wing authoritarianism is associated with race bias in face detection PLoS One

2017 | McFadyen J, Mermillod M, Mattingley J B, Halász V, & Garrido M I

A rapid subcortical amygdala route for faces irrespective of spatial frequency and emotion Journal of Neuroscience

2015 | Bednark J G, Poonian S K, Palghat K, McFadyen J, & Cunnington R

Identity-specific predictions and implicit measures of agency

Psychology of Consciousness: Theory, Research, and Practice

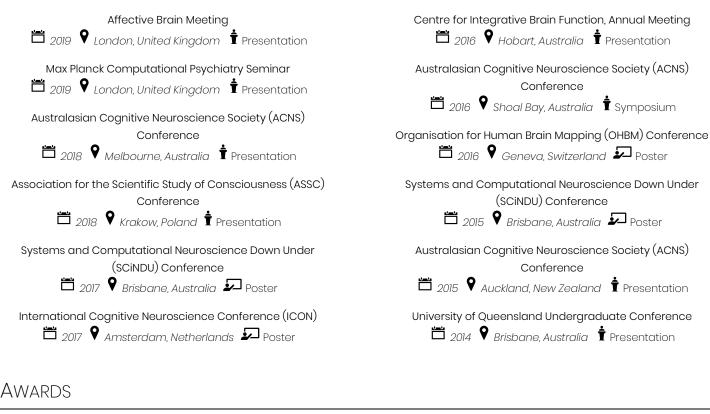
2015 | Cao Y, Contreras-Huerta L S, McFadyen J, & Cunnington R

Racial bias in neural response to others' pain is reduced with other-race contact Cortex

2015 | Poonian S K, McFadyen J, Ogden J, & Cunnington R

Implicit agency in observed actions: Evidence for N1 suppression of tones caused by self-made and observed actions Journal of Cognitive Neuroscience

Conference Presentations



Candidate Development Award Student Travel Award 2017 | The University of Queensland - AUD \$5,000 2015 | Australasian Cognitive Neuroscience Society (ACNS) Conference - AUD \$1.000

Lyn Beazley Award for Outstanding Contribution Australian Postgraduate Award 2016 | Australian Research Council's Centre for Integrative **Brain Function**

2014 | Australian Department of Education and Training

Early Career Travel Award 2016 | Australian Research Council's Centre for Integrative Brain Function - AUD\$1,000

Best Oral Presentation 2014 | The University of Queensland Undergraduate Conference - AUD \$1,000