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| Jessica McFadyen  Cognitive Neuroscientist | Envelope j.mcfadyen@ucl.ac.uk  World jjmcfadyen.com |

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| EducationPhDQueensland Brain Institute, The University of QueenslandFlip calendar 2015 – 2019 MarkerBrisbane, 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 QueenslandFlip calendar 2011 – 2014 MarkerBrisbane, Australia Supervised by Ross Cunnington  Thesis: “*The effect of caricatured faces on neural signatures of empathy*” Academic PositionsResearch FellowMax Planck UCL Centre for Computational Psychiatry and Ageing ResearchFlip calendar 2019 – present MarkerLondon, United Kingdom Supervised by Ray Dolan Postdoctoral Research FellowQueensland Brain Institute, The University of QueenslandFlip calendar 2018 – 2019 MarkerBrisbane, Australia Supervised by Oliver Baumann & Jason B. Mattingley Research AssistantThe University of QueenslandFlip calendar 2012-2017 MarkerBrisbane, Australia Various casual positions serving the School of Psychology, the Queensland Brain Institute, and the Queensland Institute of Medical Research | Technical SkillsProgramming  |  |  | | --- | --- | | * MATLAB * R * Python | * JavaScript * HTML * 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  Other PositionsGuest LecturerDepartment of Experimental Psychology, University College LondonFlip calendar 2020 MarkerLondon, United Kingdom Master of Research, Brain Sciences Chair of ECR Executive CommitteeAustralian Research Council’s Centre for Integrative Brain FunctionFlip calendar 2015 – 2016 MarkerBrisbane, AustraliaTutorRefugee Tutoring Program, The University of QueenslandFlip calendar 2015 MarkerBrisbane, Australia |

# Publications

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 J B, & Garrido M I  
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*

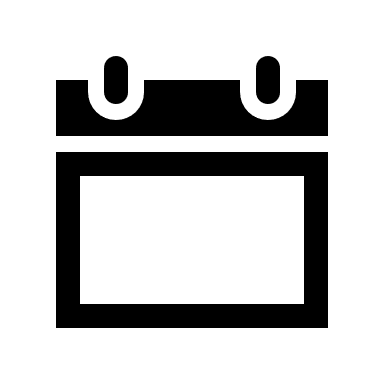
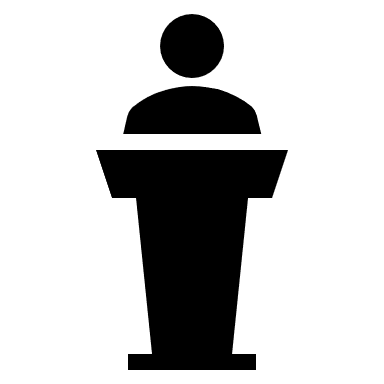
2017 | **McFadyen J**, Mermillod M, Mattingley J B, Halász V, & Garrido M I  
A rapid subcortical amygdala route for faces irrespective of spatial frequency and emotion  
*Journal of Neuroscience*

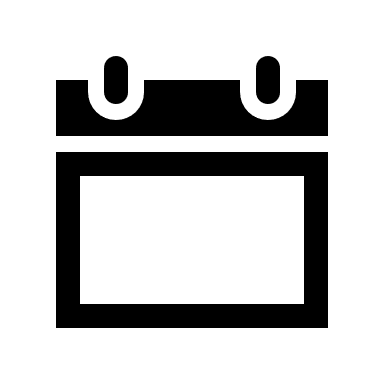
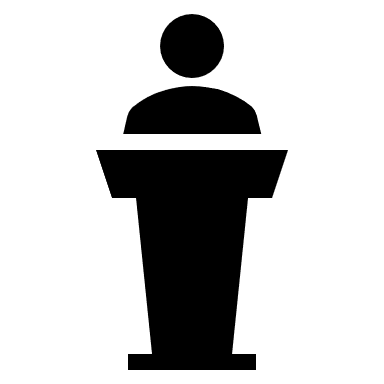
2015 | Bednark J G, Poonian S K, Palghat K, **McFadyen J**, & Cunnington R  
Identity-specific predictions and implicit measures of agency  
*Psychology of Consciousness: Theory, Research, and Practice*

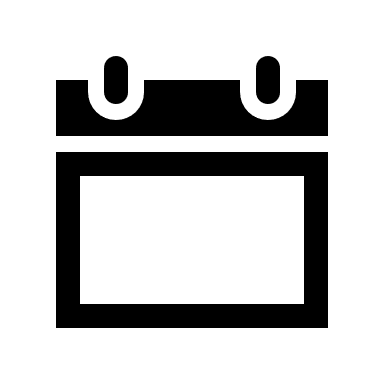
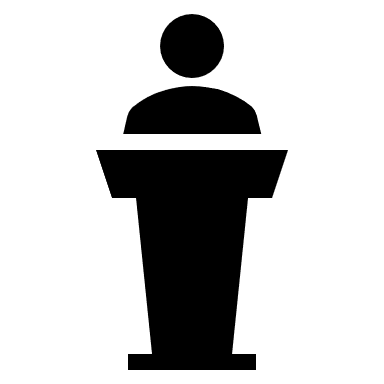
2015 | Cao Y, Contreras-Huerta L S, **McFadyen J**, & Cunnington R  
Racial bias in neural response to others’ pain is reduced with other-race contact  
*Cortex*

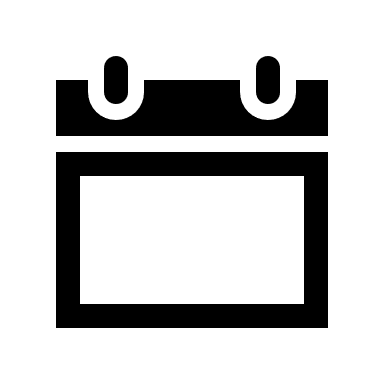
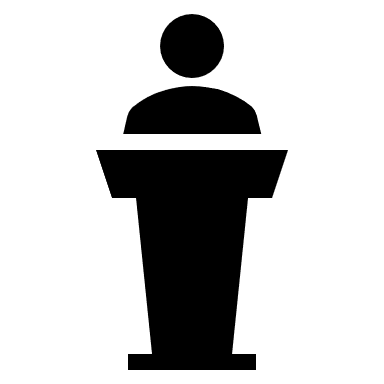
2015 | Poonian S K, **McFadyen J**, Ogden J, & Cunnington R  
Implicit agency in observed actions: Evidence for N1 suppression of tones caused by self-made and observed actions  
*Journal of Cognitive Neuroscience*

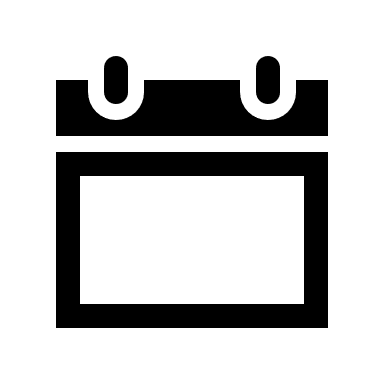
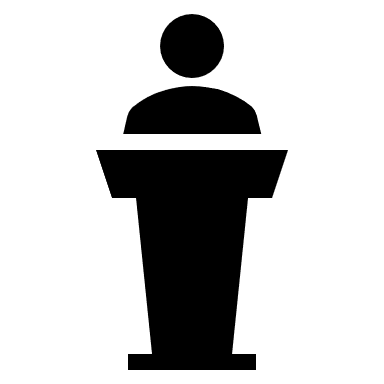
# Conference Presentations

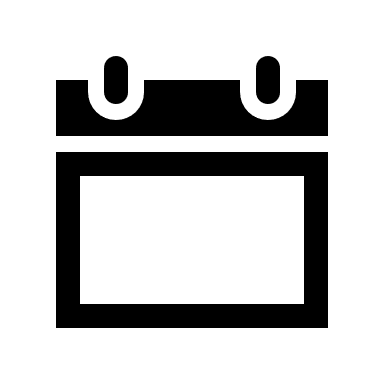
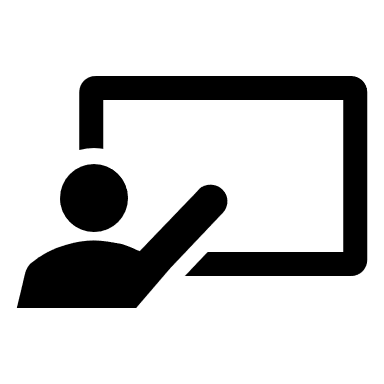
Donders Institute Autism Symposium  
 *2021* *Virtual*  Presentation (invited)

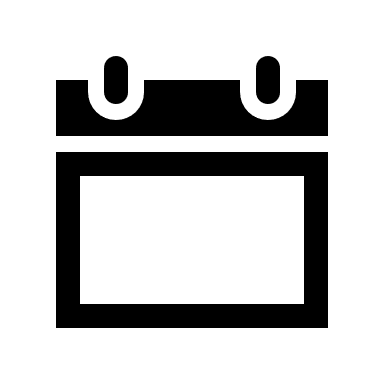
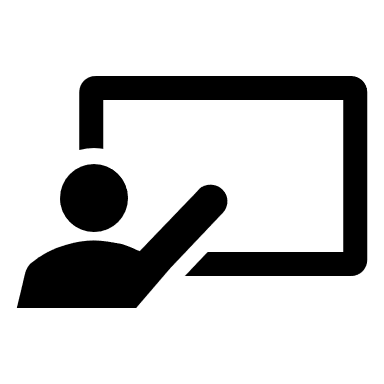
Affective Brain Meeting  
 *2019* *London, United Kingdom*  Presentation (invited)

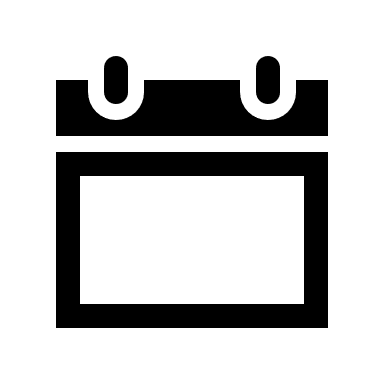
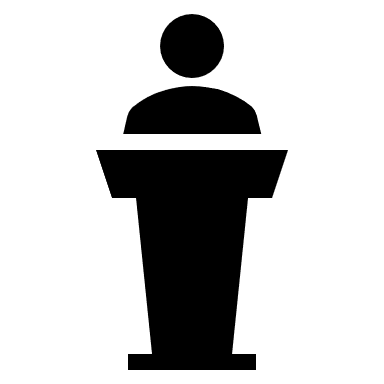
Max Planck Computational Psychiatry Seminar  
 *2019* *London, United Kingdom*  Presentation

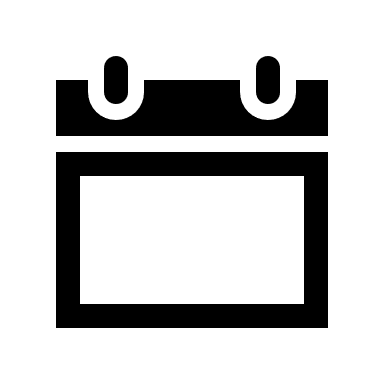
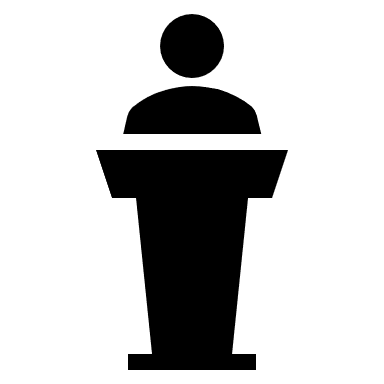
Australasian Cognitive Neuroscience Society Conference  
 *2018* *Melbourne, Australia*  Presentation

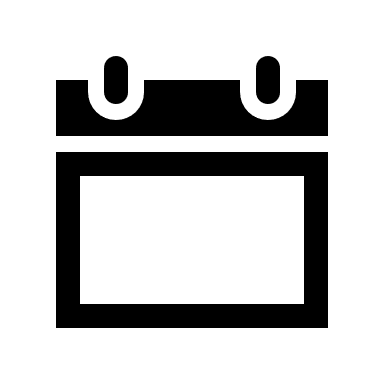
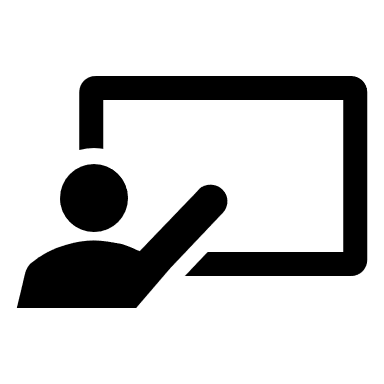
Association for the Scientific Study of Consciousness   
 *2018* *Krakow, Poland* Presentation

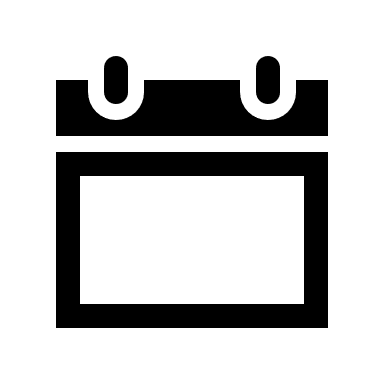
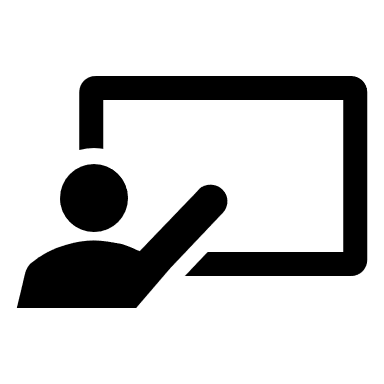
Systems and Computational Neuroscience Down Under   
 *2017* *Brisbane, Australia*   Poster

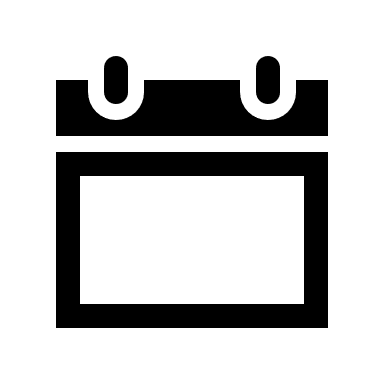
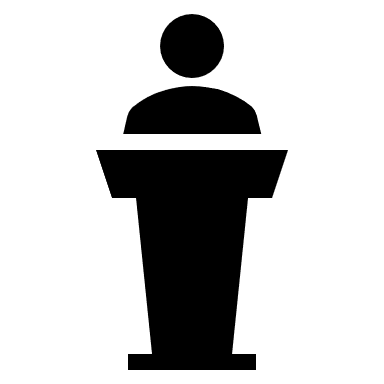
International Cognitive Neuroscience Conference  
 *2017* *Amsterdam, Netherlands*   Poster

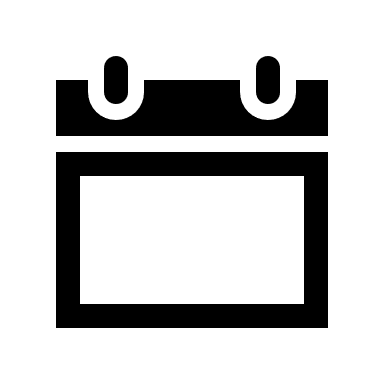
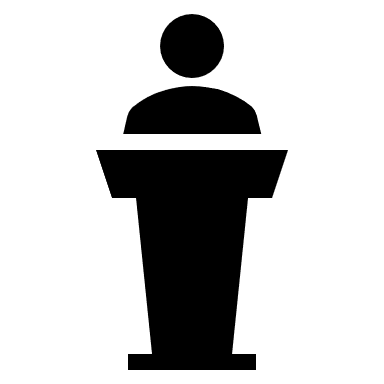
Centre for Integrative Brain Function, Annual Meeting  
 *2016* *Hobart, Australia*  Presentation

Australasian Cognitive Neuroscience Society Conference  
 *2016* *Shoal Bay, Australia*  Symposium

Organisation for Human Brain Mapping Conference  
 *2016* *Geneva, Switzerland*   Poster

Systems and Computational Neuroscience Down Under   
 *2015* *Brisbane, Australia*   Poster

Australasian Cognitive Neuroscience Society Conference  
 *2015* *Auckland, New Zealand*  Presentation

University of Queensland Undergraduate Conference  
 *2014* *Brisbane, Australia*  Presentation

# Awards

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| Paxinos-Watson Prize for  Most Significant Neuroscience Paper 2020 | Australasian Neuroscience Society - AUD $500 Candidate Development Award 2017 | The University of Queensland - AUD $5,000 | Student Travel Award 2015 | Australasian Cognitive Neuroscience Society (ACNS) Conference - AUD $1,000 Australian Postgraduate Award 2014 | Australian Department of Education and Training |
| Lyn Beazley Award for Outstanding Contribution 2016 | Australian Research Council’s Centre for Integrative Brain Function | Best Oral Presentation 2014 | The University of Queensland Undergraduate Conference - AUD $1,000 |
| Early Career Travel Award 2016 | Australian Research Council’s Centre for Integrative Brain Function - AUD$1,000 |  |