

Aamir Sohail

MRC AIM PhD STUDENT IN PSYCHOLOGY

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EDUCATION

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|----------------|--|
| 2023 - present | PhD in Psychology, University of Birmingham |
| 2018 | MSc in Brain Imaging, University of Nottingham |
| 2016 | BSc in Biomedical Science, Imperial College London |

EMPLOYMENT HISTORY

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| 2022 - 2023 | University of Reading, CINN Operations Support |
| 2021-2022 | University of Reading, CINN Assistant |
| 2021 | University of Reading, Junior Research Fellow |

GRANTS, HONORS & AWARDS

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| 2023 | MRC AIM Doctoral Training Program, Medical Research Council / University of Birmingham (£100,000) |
| 2023 | LGBT+ Inclusion Initiative Fund, University of Reading (up to £1,000) |

TECHNICAL SKILLS

Programming Languages: Python, R, MATLAB, bash, stan, \LaTeX

Neuroimaging Software: FSL, SPM12, CONN, mricro

Online Research Services: REDCap, SONA, Gorilla, Prolific, 10to8, Nutanix, git/GitHub

Other: Web design (GitHub Pages, WordPress), Editing (DaVinci Resolve)

TEACHING

UNIVERSITY OF BIRMINGHAM

Magnetic Resonance Imaging in Cognitive Neuroscience

Jan 2024 – Apr 2024

Postgraduate level

Linux, bash scripting, neural basis of MRI/fMRI, FSL (ROI, diffusion and fMRI analysis)

Module convenors: Dr Magda Chechacz, Dr Martin Wilson, Professor Andrew Bagshaw

UNIVERSITY OF READING

Introduction to Neuroscience Methods

Jan 2023 – Apr 2023

Undergraduate level

Brain structure/function, MR physics, psychopharmacology, neuroethics

Module convenors: Professor Anastasia Christakou, Professor Bhismadev Chakrabarti

PUBLIC COMMUNICATIONS AND OUTREACH

OHBM Mentorship Program

2024

Mentor: Dr Marianna Kapsetaki, Mentee: Eleanor Benford

CINN Work Experience Scheme

2023

Responsible for running work experience placements for college students (7 programs ran)

Reading Scholars

Organized and ran sessions demonstrating MRI, EEG and TMS facilities to college students

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

R Users Group - University of Birmingham

2023 - present

ORGANIZATION OF CONFERENCES AND SYMPOSIA

Reading Emotions 2023: Fluctuations and Change

15-16 June 2023, University of Reading

Cerebral Haemodynamics Symposium

23 July 2021, University of Reading (Online)

CONFERENCE PRESENTATIONS

Rossetti, G.M.K., The HAVEN Study Researchers., Lovegrove J.A., Gibbins J.M., Christakou A. (2022) **Preliminary findings from the HAVEN Study: Investigating Haemostatic function, vessel health and neurocognitive health.** *Poster presented at Interpreting BOLD III.* Oxford, UK.

Rossetti, G.M.K., Sohail, A., Bell, T., Christakou, A. (2021) **Differential haemodynamic responses in the human striatum during initial and reversal learning.** *Poster presented at Interpreting BOLD Taster Session.* Online.

Williams, B., Lee, O., Vanags, P., Sohail, A., Brady, D., FitzGibbon, L., Christakou, A. **Test-retest reliability of model parameter estimates in human reinforcement learning.** (2021) *Poster presented at the Society for the Improvement of Psychological Sciences, 2021.* Online.

Sohail, A., Myers J.F.M., Mick I., Clark L., Bowden-Jones H.M., Nutt D.J., Lingford-Hughes A.R., Turton S.P. (2016) **Analysis of the reward system in Disordered Gamblers using MR and ¹¹C-carfentanil PET.** *Poster presented at the British Association for Psychopharmacology Summer Meeting.* Brighton, UK.

TALKS

Zhang, L., & Sohail, A. 'Neurocomputational and transdiagnostic components of social and direct learning' (2024) *Neuromethods.* Centre for Integrative Neuroscience and Neurodynamics, University of Reading.

Jewell, S.L., & Sohail, A. 'Diversity and Graduate Recruitment - Imploring a Bio/Psychological Framework.' (2023) *Neuromethods.* Centre for Integrative Neuroscience and Neurodynamics, University of Reading.

Sohail, A. 'Improving Future-oriented Decisions through Metacognitive Coaching: A Proposed Study'. (2023) *Early Career Researcher Conference 2023.* School of Psychology and Clinical Language Sciences, University of Reading.

Rossetti, G.M.K., & Sohail, A. 'Striatal Haemodynamic Modulation during Reversal Learning.' (2021) *Neuromethods.* Centre for Integrative Neuroscience and Neurodynamics, University of Reading.

REFEREES

Professor Anastasia Christakou

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Dr Lei Zhang

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