

EDUCATION

Sep 2023 – Sep 2027	Ph.D. in Psychology Thesis title: <i>Neurocomputational mechanisms of self-referencing in social anxiety</i> Advisors: Dr. Lei Zhang, Prof. Patricia L. Lockwood	UNIVERSITY OF BIRMINGHAM
Sept 2017 – Sept 2018	M.Sc. in Brain Imaging First-class honours. Thesis advisors: Dr. Claudia Danielmeier, Dr. Jan Derrfuss	UNIVERSITY OF NOTTINGHAM
Sep 2013 – Jun 2016	B.Sc. in Biomedical Science Upper second-class honours. Thesis advisors: Prof. Anne R. Lingford-Hughes, Dr Samuel P. Turton	IMPERIAL COLLEGE LONDON

EMPLOYMENT

Feb 2022 – Sep 2023	CINN Operations Support School of Psychology and Clinical Language Sciences, University of Reading Line Manager: Prof. Anastasia Christakou	UNIVERSITY OF READING
Oct 2021 – Feb 2022	CINN Assistant School of Psychology and Clinical Language Sciences, University of Reading Line Manager: Prof. Anastasia Christakou	UNIVERSITY OF READING
Apr 2021 – Oct 2021	Junior Research Fellow School of Psychology and Clinical Language Sciences, University of Reading Line Manager: Prof. Anastasia Christakou	UNIVERSITY OF READING

AWARDS AND GRANTS

2024	Student Bursary for UK Ethnic Minority Groups (British Association for Cognitive Neuroscience)	£300
	European Forum Alpbach Scholarship (Club Alpbach London)	£2,500
2023	MRC AIM DTP Scholarship (MRC/University of Birmingham)	£100,000
	LGBT+ Inclusion Initiative Fund (University of Reading)	£300

TEACHING

2024-25	Magnetic Resonance Imaging in Cognitive Neuroscience, graduate course Module convenor: Dr. Magdalena Chechlac. Course website available here .	UNIVERSITY OF BIRMINGHAM
Jan – Apr 2023	Introduction to Neuroscience Methods, undergraduate course Module convenor: Prof. Anastasia Christakou	UNIVERSITY OF READING

MENTORING AND OUTREACH

2024 –	Project Access Mentor (Imperial/UCL/KCL)	PROJECT ACCESS
2023 –	OHBM Mentoring Program Mentor: Dr. Marianna Kapsetaki (NKUA/Univ. of Crete). Mentee: Eleanor Benford (Univ. of Manchester)	OHBM
Jul 2024	in2STEM Project Lead Lead organiser for the in2STEM summer program. Materials available here .	IN2SCIENCE

STEM Ambassador

STEM LEARNING

Giving talks to local schools on neuroscience and psychology

2022 – 2023

CINN Work Experience Placements

UNIVERSITY OF READING

Organised and ran multiple work experience placements for college students

MEMBERSHIPS AND AFFILIATIONS

2024 –

LLM HPC Research Group

UNIVERSITY OF BIRMINGHAM

ReproducibiliTea Board Member

UNIVERSITY OF BIRMINGHAM

Student Representative

BRITISH ASSOCIATION FOR COGNITIVE SCIENCE

Board Member

CLUB ALPBACH LONDON

2023 –

R User Group

UNIVERSITY OF BIRMINGHAM

PAPERS

Published

1. **Sohail, A.**, & Zhang, L. *Informing the treatment of social anxiety disorder with computational and neuroimaging data*. Psychoradiology, 2024, kkae010.

Preprints/Under review

1. Rossetti, G. M. K., Dunster, J. L., **Sohail, A.**, Williams, B., Cox, K.M., Jewett, E., Benford, E., Lovegrove, J. A., Gibbins, J.M., and Christakou, A. *Evidence for direct control of neurovascular function by circulating platelets in healthy older adults*. bioRxiv, 2024, pp. 2024-05.
2. **Sohail, A.**, and Zhang, L. *Using large language models to facilitate academic work in psychological sciences*. OSF, 2024.
3. **Sohail, A.** *Evidence for Kierkegaardian anxiety in modern psychological research*. PhilPapers, 2024.

POSTERS

2022

Rossetti, G. M. K., Dunster, J. L., **Sohail, A.**, Williams, B., Cox, K. M., Jewett, E., Benford, E., Lovegrove, J. A., Gibbins, J. M., Christakou, A. (2022, Jul.). *Preliminary findings from the HAVEN Study: Investigating Haemostatic function, vessel health and neurocognitive health*. [Poster]. Interpreting BOLD III, Oxford, UK.

2021

Rossetti, G. M. K., **Sohail, A.**, Bell, T., Christakou, A. (2021, Jul.). *Differential haemodynamics responses in the human striatum during initial and reversal learning*. [Poster]. Interpreting BOLD. Online. Available: [here](#)

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

2016

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, Jul.). *Analysis of the reward system in Disordered Gamblers using MR and ¹¹C-carfentanil PET*. [Poster]. British Association for Psychopharmacology Summer Meeting, Brighton, UK.

SKILLS

Programming – Python, R, MATLAB, bash, stan, \LaTeX , HTML, JavaScript

Neuroimaging – FSL, SPM12, CONN, mriCRO

Research / Organisation – REDCap, SONA, Gorilla, Prolific, ioto8, Nutanix, git/Github, oTree, Heroku

REFERENCES

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