

FOYZUL RAHMAN

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Education

PhD Cognitive Neuroscience – Aston University, UK Jul 2017 – Jun 2021

Thesis: The neurocognitive profile of theory of mind in healthy ageing (Advisors: Dr Charlotte Hartwright, Prof Klaus Kessler, Dr Dan Shaw)

MSc Psychology – University of Birmingham, UK Sep 2014 – Dec 2015

BSc Psychology – Birmingham City University, UK Sep 2010 – Jun 2013

Employment (Academic Only)

Lecturer in Psychology, Loughborough University Feb 2025 – Current

Lecturer in Psychology, Birmingham City University May 2023 – Jan 2025

Postdoctoral Research Fellow, University of Birmingham Jan 2021 – Apr 2023

Visiting Lecturer, Newman University (Birmingham, UK) Oct 2018 – Dec 2020

Research Associate, University of Birmingham Dec 2016 – Jul 2017

Teaching Experience

Loughborough University

- Cognitive Research (Level 4, Year 1)

Birmingham City University

- Introduction to Psychology (Level 4, Year 1 – Co-Module Lead)
- Quantitative Research Methods (MSc/PGT – Co-Module Lead)
- Brain and Cognition (MSc/PGT)
- Dissertation (MSc/PGT – Co-Module Lead)

University of Birmingham

- *Lifespan Psychology* (Level 5, Year 2)

Newman University, Birmingham

- Quantitative Research Methods (Level 4, Year 1)
- Global Perspectives and Contexts in Psychology (Level 4, Year 1)

Publications

For an up-to-date list of my publications, please see my [Google Scholar page](#)

- Fernandes, E. G., Fosstveit, S. H., Feron, J., **Rahman, F.**, Lucas, S. J., Lohne-Seiler, H., ... & Wheeldon, L. (2024). Effects of increasing fitness through exercise training on language comprehension in monolingual and bilingual older adults: a randomized controlled trial. *Aging, Neuropsychology, and Cognition*, 1-33.
- Feron, J., **Rahman, F.**, Fosstveit, S. H., Joyce, K. E., Gilani, A., Lohne-Seiler, H., ... & Lucas, S. J. (2024). Cerebral blood flow and arterial transit time responses to exercise training in older adults. *NeuroImage*, 303, 120919.
- Feron, J., Segaert, K., **Rahman, F.**, Fosstveit, S. H., Joyce, K. E., Gilani, A., ... & Lucas, S. J. (2024). Determinants of cerebral blood flow and arterial transit time in healthy older adults. *Aging (Albany NY)*, 16(18), 12473.
- Markiewicz, R., **Rahman, F.**, Apperly, I., Mazaheri, A., & Segaert, K. (2024). It is not all about you: Communicative cooperation is determined by your partner's theory of mind abilities as well as your own. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 50(5), 833.
- Markiewicz, R., **Rahman, F.**, Fernandes, E. G., Limachya, R., Wetterlin, A., Wheeldon, L., & Segaert, K. (2024). Effects of healthy ageing and bilingualism on attention networks. *Bilingualism: Language and Cognition*, 1-14.
- DeLuca, V., Voits, T., Ni, J., Carter, F., **Rahman, F.**, Mazaheri, A., ... & Segaert, K. (2024). Mapping individual aspects of bilingual experience to adaptations in brain structure. *Cerebral Cortex*, 34(2), bhae029.
- Fernandes, E. G., Segaert, K., **Rahman, F.**, Wetterlin, A., & Wheeldon, L. (2023). Bilingualism and ageing independently impact on language processing: evidence from comprehension and production. *Bilingualism: Language and Cognition*, 1-15.
- **Rahman, F.**, Kessler, K., Apperly, I. A., Holland, C. A., & Hartwright, C.E. (2022). Letter to the Editors of Psychological Science: On the Use of the AQ-10 Autism Screening Instrument in Studies of Theory of Mind: Regarding Rahman et al. (2021). *Psychological Science*, 32(12).
- **Rahman, F.**, Kessler, K., Apperly, I. A., Hansen, P. C., Javed, S., Holland, C. A., & Hartwright, C. E. (2021). Sources of cognitive conflict and their relevance to theory-of-mind proficiency in healthy aging: A preregistered study. *Psychological Science*, 32(12), 1918-1936.

Talks and Presentations

- May 2024 – FAB Workshop, University of Agder, Norway
Oral presentation on cross-sectional data from the Fitness, Ageing, and Bilingualism (www.fab-study.com) project
- November 2023 – Psychonomic Society Annual Meeting 2023, San Francisco, CA, USA

Oral presentation on the association of brain- and lifestyle-based factors that influence language processing in ageing

- May 2022 – Psycholinguistics Lab Meeting, University of Birmingham
- October 2021 – Society for the Neurobiology of Language (SNL), California (Virtual)

Oral presentation on post-doc research project on the benefits of aerobic fitness on linguistic and non-linguistic cognitive abilities in old age

- June 2020 – OHBM (Organization for Human Brain Mapping), Montreal, Canada

Poster presentation on PhD project

- May 2019 – Birmingham City University, Birmingham, UK

Invited talk on Open Science

- May 2019 – University of Birmingham, Birmingham, UK.
- December 2018 – Aston University, Birmingham, UK
- December 2018 – University of Birmingham, Birmingham, UK

Poster presentation at the Midlands Medical Imaging Network on first PhD project examining the sources of interference in false belief reasoning in healthy older adults

- June 2018 – Aston University, Birmingham, UK

Internal poster presentation on PhD project

University Administration

Module Leadership (Birmingham City University)

- Introduction to Psychology (Year 1 [Level 4])
- Quantitative Research Methods (MSc/PGT)
- Dissertation Module (MSc/PGT)

External Speaker Coordinator (Birmingham City University)

Social Media Coordinator (Birmingham City University)

Placement Tutor (Birmingham City University)

Student Supervision

MSc and Masters Level – 7 students across the University of Birmingham and Birmingham City University

PhD Level – 1 student to completion at the University of Birmingham (2024)

Programming and Technical Expertise

Linux Shell Scripting	Expert
R	Expert
Python	Intermediate
Matlab	Intermediate

Ad-Hoc Peer Review Activity

- European Journal of Neuroscience
- Frontiers in Psychology
- Brain Sciences
- Behavioral Sciences
- International Journal of Bilingualism
- Journal of Psycholinguistic Research
- Applied Physiology, Nutrition, and Metabolism