

Postdoctoral Research Fellow - The benefits of regular physical exercise for language, cognition and brain health in ageing (full-time, 1 year).

Applications are invited for a full-time Research Fellow position (start date May 1st 2023, end date April 30th 2024) to work at the Centre for Human Brain Health, University of Birmingham (Grade 7.29). The successful candidate will join a team of researchers studying the benefits of regular physical exercise for language, cognition and brain health in ageing. This will be done under direct supervision of Dr. Katrien Segaert (PI) and Dr. Sam Lucas (co-I), and in collaboration with researchers at the University of Agder (Norway). The project is funded by the Norwegian Research Council.

The project entails a randomized-controlled exercise intervention to investigate how exercise benefits grey matter brain structure (MRI), baseline cerebral blood flow (ASL), brain function (fMRI: tip-of-the-tongue task), cognitive performance (several language production/comprehension tasks, switching, ANT, working memory, processing speed).

While data-collection for the project has recently been concluded, we are looking for a motivated research fellow with strong (f)MRI data-analysis skills and an interest in ageing to join our team. Main responsibilities will be to conduct data-analyses, prepare manuscripts, contribute to high quality publications as lead author and co-author, and present research findings at conferences.

The candidate will take part in supervision of research assistants and students, and will be an active member of the Centre for Human Brain Health, the School of Psychology and the School of Sport, Exercise and Rehabilitation Sciences at the University of Birmingham.

To apply, please upload a cover letter and CV by January 31st 2023.

We will interview in two stages. Stage 1: Shortlisted candidates will be interviewed online (expected February 2023). Stage 2: If successful in stage 1, candidates will be invited for a formal interview in person or online (expected end of Feb 2023).

Further information – contact Dr. Katrien Segaert: k.segaert@bham.ac.uk and Dr. Sam Lucas s.j.e.lucas@bham.ac.uk

To apply: <https://www.jobs.ac.uk/job/CVX125/research-fellow>