



JOB DESCRIPTION

Job Title:	Research Fellow (imaging/cognitive neuroscience)
Department / Unit:	Psychology
Job type	Full time, fixed term
Grade:	7
Accountable to:	Dr Carl Hodgetts (PI), and will involve close working with other collaborators at Cardiff University (Prof Andrew Lawrence, Dr Jiaxiang Zhang, Prof Kim Graham, Prof John Aggleton)
Accountable for:	
Purpose of the Post	
<p>The post-holder will advance a cognitive neuroscience research programme aligned to a newly awarded BBSRC grant on the role of the subiculum in scene and event cognition, held jointly across Royal Holloway, University of London, and Cardiff University, specifically the Cardiff University Brain Research Imaging Centre (CUBRIC). Working closely with a second postdoctoral research associate at CUBRIC, the post-holder will be responsible for the conceptualisation, design/analysis, curation, and dissemination of multimodal neuroimaging studies examining hippocampal networks and their role in scene processing and memory.</p>	
Key Tasks	
<p>Research</p> <ul style="list-style-type: none"> • To contribute to multimodal neuroimaging investigations of scene processing and event memory using both new and existing datasets. This will involve contributions to conceptualisation, design/analysis, curation, and reporting of neuroimaging studies involving structural (ultra-high resolution diffusion imaging) and/or 3T and 7T functional MRI (using naturalistic cognitive probes of scene and event cognition) • To develop and maintain reliable and reproducible analysis pipelines for multimodal brain imaging data, sharing these effectively across sites to advance research across the team as well as for open science requests as required • To work jointly with the PIs and broader cross-institutional research team to prepare research publications, undertake presentations at national and international conferences, and provide other summaries of the research undertaken (e.g., at regular lab meetings) 	

- To work in close collaboration with other members of the research team, particularly colleagues at the partner institution, Cardiff University
- To perform administrative tasks associated with the research project, including contributing and organising project meetings, working collaboratively with lab managers, maintaining webpages and databases, and developing procedures required to ensure optimal lab practice
- To contribute to related on-going and future projects run by the PIs and the research team
- To support the development and maintenance of a new large-scale, open source 7T imaging database
- To provide training and support on data analyses to other researchers and students at Royal Holloway and CUBRIC
- To contribute to the supervision of students, at undergraduate and postgraduate level, in methods and applications of cognitive neuroscience, including delivering training in imaging methods
- To help develop research objectives and proposals for collaborative research and funding applications
- To participate in research activities both at both Royal Holloway and CUBRIC

Other

- To help support our engagement with industrial, media, and public sector organisations, professional institutions, other academic institutions, nationally and internationally to raise awareness of research at the Department of Psychology
- To undergo personal and professional development that is appropriate to, and which will enhance, performance
- Any other duties not included above, but consistent with the role in support of the overall activities of the research team and the Department of Psychology

Other Duties

The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the College. The post holder will be expected to undertake other duties as appropriate and as requested by their manager.

The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.

Internal and external relationships

The following list is not exhaustive, but the post holder will be required to liaise with: Students, other members of staff within the school/department and College, academics in other institutions and, where relevant, practitioners and non-academic stakeholders.