

Position Title: Research Officer	Date Prepared: 27 th November 2023
Position Reports To: Imaging Lead, AEP and Cognitive Lead, AEP	Theme/Team: Epilepsy
Classification: RO1 (1.0 FTE)	Location: Melbourne Brain Centre, 245 Burgundy St, Heidelberg, Vic, 3084
Key Relationships: <u>Internal:</u> • Lead of Cognitive Stream, AEP • Lead of Imaging Stream, AEP • Chief Investigator, AEP • AEP team members <u>External:</u> • External collaborators at other research institutes, national and international	Primary Purpose: This position is as a post-doctoral Research Officer working as part of the Australian Epilepsy Project (AEP) within the Epilepsy Theme at the Florey Institute of Neuroscience and Mental Health. The AEP is a large, multi-centre project designed to change the current standard of care for epilepsy. The project is funded by the Medical Research Future Fund Frontiers program. A key goal of the project is to develop multimodal decision support tools integrating advanced neuroimaging, neuropsychology and genetic data to improve health outcomes in individuals with this life-changing condition. The Research Officer will be responsible for analysis, presentation and writing up of research derived from the multimodal data in the AEP, with a major emphasis on analysing advanced imaging data (structural, diffusion, functional) and linking this to neuropsychological data.

Primary Responsibilities:

- Conduct collaborative research in pursuit of the overall goals of the AEP, driving this through to publications.
- Involvement in professional activities, including contributions such as conferences and seminars
- Support and train other AEP team members
- Independent preparation, or contribution to preparation, of research proposal submissions to external funding bodies
- Co-supervision of major Honours and/or PhD projects and students
- Contribution to the research culture of the research group and the institute through membership of relevant committees and contributions to the group's research outputs
- Support the collective vision and mission of the Florey through
 - Open and collaborative communication that promotes positive and respectful relationships
 - Fostering and supporting innovation within the team and broader institute teams
 - Excellence in practice driven by a focus on equity, diversity and inclusivity

Occupational Health & Safety:

- Eliminate, or otherwise reduce so far as practicable, the risks of injuries, diseases and ill health that arise as a result of Florey activities through compliance with the Florey OH&S policy and procedures
- Continually incorporate and support improvement of the management of OH&S practices for Florey related activities
- Create and promote a positive and equitable workplace through awareness of issues that impact on health and wellbeing

Skills/Qualifications:

- Doctoral degree in imaging neuroscience or related field (e.g. physics, computer science, engineering, statistics)

Experience/Knowledge: • Experience with medical imaging data (structural, volumetric, quantitative, functional, diffusion), • Skills in image processing, including region-based and/or voxel-wise analyses • Strong imaging statistical skills • Proficient in Unix/Linux, high-performance computing and programming (e.g. Python, R, C++ and/or related languages) • Knowledge of epilepsy and other neurological conditions • Background in neuropsychology/brain-behaviour relationships • Authorship of peer-reviewed research papers and/or conference presentations	General Attributes: • Ability to work independently • Shows initiative • Excellent organisational skills with an ability to prioritise tasks to meet deadlines • Excellent interpersonal skills (i.e., able to work within a team environment) • Excellent writing and oral communication skills • Enjoys working collaboratively within a diverse multidisciplinary environment	
Employee Name:	Employee Signature:	Date: