POSITION DESCRIPTION

Research Fellow (Clinical Imaging)

Position Summary

The Research Fellow (Clinical Imaging) will provide research expertise around analysis of both MR and CT brain imaging. Complimentary to the AI/machine learning post-doc, this position is more clinically focussed, and will include working along the AI/machine learning post-doc in analysis of imaging data from clinical and observational stroke and neuroscience trials.

The role of Research Fellow (Clinical Imaging) works closely with senior researchers and provide support across several ongoing projects in various areas of the research. Research Fellow (Clinical Imaging) will drive a research project in the Sydney Brain Centre@UNSW (SBC), experimentally support other students and researchers in the group, help define and drive new research directions aligned with the overall goals of the group and the Centre.

The role of Clinical Imaging Fellow reports to the Imaging Lab Manager and Head of SBC and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Provide significant contribution to all aspects of major research projects including management and/or leadership of the SBC research team.
- Oversee and contribute to the preparation, research analysis and produce/contribute to conference abstracts and publications for submission to peer-reviewed journals.
- Publish and present research results at academic/industry national and international conferences.
- Mentor and guide students and colleagues and develop the next generation of academics through involvement in supervision of HDRs (as per the norms of the discipline). Design and develop research ensuring all research is conducted to methodological and ethical standards.
• Formulate study design, programmes, and implementation timelines.

• Collaborate effectively and maintain strong relationships with relevant researchers within the institution, stakeholders and policy makers and contribute to the teaching program within the field of research expertise.

• Participate as co-investigator or chief investigator in competitive grant applications or show evidence of active participation in research collaborations funded by competitive grants. Complete administrative functions primarily connected to area of research.

• Contribute to recruitment of patients in clinical neuroscience trials.

• Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.

• Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Skills and Experience

• PhD in Neuroscience imaging preferably with a clinical focus, and/or relevant work experience.

• Proven track record in publishing scientific research papers in stroke/neuroscience and demonstrated experience in grant writing and ethics submissions.

• Excellent oral and written communication skills, attention to detail and the ability to liaise effectively with all levels of staff, students, management, collaborators and members of the public with relevant data analysis skills.

• Proven ability in working effectively as a member of a multidisciplinary team and in supervising technical staff and students.

• Demonstrated experience in relevant industry and/or in establishing/maintaining research partnerships with industry.

• Experience in neuroscience clinical trial recruitment.

• Experience in brain imaging (CT and MR) analysis.

• An understanding of and commitment to UNSW’s aims, objectives and values in action, together with relevant policies and guidelines.

• Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

Pre-employment checks required for this position

• Verification of qualifications