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POSITION DESCRIPTION

Post-Doctoral Fellow

Position Level	B
Faculty/Division	Medicine
Position Number	00186916
Original document creation	September 2023

Position Summary

A Post-Doctoral Fellow (Level B) is expected to carry out independent and/or team research within the field of Biological Psychiatry and to carry out wet-lab research activities and gain further training to develop their research expertise relevant to the Neurobiology of Schizophrenia.

The role of Post-Doctoral Fellow reports to the Professor and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Engage in individual and/or collaborative research in a manner to drive research projects in the Schizophrenia Research Laboratory with an emphasis on Post-mortem Human Brain Research using both molecular and histological approaches
- Create scholarly impact by publishing several papers/year in high impact Psychiatry Journals and Neuroscience Journals that are recognised by peers to advance our understanding of the Biological Basis of Schizophrenia and/or Bipolar Illness
- Conduct research activities under limited supervision, either independently or as a member of a team including designing, planning, executing, analysing, interpretation and scholarship of molecular neuropathological studies in the schizophrenia and bipolar brain compared to controls

- Establish a personal research portfolio and develop independent research proposals for submissions to NHMRC, ARC and other major external funding agencies
- Contribute to the development of applications submitted by the laboratory for competitive funding along with senior colleagues
- Participate as co-investigator or chief investigator in competitive grant applications or show evidence of participation in research activities funded by competitive grants
- Mentor and guide students and colleagues and develop the next generation of academics through involvement in supervision of both Honours Students and HDRs
- Help to build collaborations between the mentor and other scientists at NeuRA and UNSW
- Present current research locally at Journal Clubs and nationally at Discipline Meetings
- 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

- A PhD in a related discipline, and at least 2 years Postdoctoral work experience.
- Theoretical knowledge of behavioural neuroscience, neuroanatomy and immunology is required.
- Working knowledge of molecular biology including the theories, principles and methods used is required.
- Strong skills in statistical analysis, outlier detection, t-tests, two-way ANOVAs, ANCOVAs, correlations, regression, clustering, PCA analysis, pathway analysis is preferred
- Proven commitment to proactively keeping up to date with discipline knowledge and developments through reading and sharing knowledge with mentor and team members.
- Demonstrated track record in research with outcomes of high quality and high impact with clear evidence of the desire and ability to continually achieve research excellence as well as the capacity for research leadership.
- A track record of significant involvement and increasing profile in Biological Psychiatry both nationally and internationally.
- High level communication skills and ability to network effectively and interact with a diverse range of students and staff, including regular communication with mentor setting agendas, deriving project goals and creating meeting minutes
- Demonstrated ability to work in a team, managing timelines of self and RAs or students working on the research project, and build effective relationships within the laboratory.
- Evidence of highly developed interpersonal and organisational skills.
- 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

About this document

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.