POSITION DESCRIPTION

Postdoctoral Fellow

Position Level: Level A
Faculty/Division: Medicine & Health
Position Number: 00092164
Original Document creation: 01/04/ 2021

Position Summary

A Postdoctoral Fellow (Level A) is expected to contribute towards the research effort of UNSW and to develop their research expertise through the pursuit of defined projects relevant to their particular field of research.

The Postdoctoral Fellow will contribute to a research project on mitochondrial dynamics. The role will experimentally support students and researchers in the group while also helping to define and drive new research directions aligned with the overall goals of the group and the Single Molecule Science unit.

The role of Postdoctoral Fellow reports to the EMBL Australia Group Leader and has no direct reports.

Accountabilities

- Contribute independently or as a team member in collaborative research with a focus to enhance the quality of research outcomes in the discipline area.
- Conduct research (as per the norms of the discipline) and/or enable research teams to create scholarly output that is recognised by peers.
- Undertake specific research project/s under the guidance of a research leader and contribute to development of research activities.
- Support the dissemination of research outcomes through appropriate channels and outlets.
- Undertake discipline-appropriate research activities, e.g. surveys, literature reviews, data gathering and/or recording of results using appropriate research methods.
- Participate in and/or present at conferences and/or workshops relevant to the project as required.
• Assist with the supervision of research students in the research area where required. Cooperate with all health and safety policies and procedures of the University and take all reasonable care to ensure that their actions or omissions do not impact on the health and safety of others.
• 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 & safety of yourself or others.

Skills and Experience

• PhD in bioengineering, cell biology, biophysics, or related discipline.
• Demonstrated experience in advanced light microscopy techniques, such as confocal microscopy and super-resolution microscopy.
• Demonstrated experience in live-cell imaging and analysis.
• Demonstrated expertise in cell and tissue culture techniques.
• Demonstrated expertise in protein depletion methodologies including siRNA or CRISPR.
• Demonstrated expertise in cell biology and neuroscience, specifically mitochondrial structure, function and dynamics in neurodegeneration.
• Demonstrated expertise in molecular biology techniques.
• Demonstrated ability to undertake high quality academic research and conduct independent research with limited supervision.
• Demonstrated track record of publications and conference presentations relative to opportunity.
• Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
• Evidence of highly developed interpersonal skills.
• Demonstrated ability to communicate and interact with a diverse range of stakeholders and students. 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.

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.