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POSITION DESCRIPTION

Post-Doctoral Fellow

Position Level	A
Faculty/Division	Medicine & Health
Position Number	ADMIN ONLY
Original document creation	15/04/ 2021

Position Summary

A Post-Doctoral 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 Post-Doctoral Fellow will seek to develop new compounds to enhance embryo formation in the context of impaired development from maternal ageing and is to be jointly conducted with the School of Women's and Children's Health. The position will involve identifying and investigating new compounds from small molecule drug screens, measurements of cell metabolism including isotope tracing-based metabolomics, assessing embryo development, standard molecular biology and cell biology techniques.

The role of Research Associate/Post-Doctoral Fellow reports to the Senior Research Fellow and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- 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.

- Conduct qualitative and quantitative data analysis for the project.
- Participate in and/or present at conferences and/or workshops relevant to the project as required.
- Assist with lab-based training and supervision of junior lab members as required.
- 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 molecular biology, biochemistry or a related discipline, and/or relevant work experience.
- Experience in the fields of cell metabolism, metabolomics and reproductive biology an advantage
- Experience in data visualisation and analysis for large datasets viewed favourably, e.g. using packages in R.
- Proven commitment to proactively keeping up to date with discipline knowledge and developments.
- 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.

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.