POSITION DESCRIPTION

Post-doctoral Fellow

Position Summary

A Research Associate/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 Cardiometabolic Disease Research Group is investigating new nanoparticle-based anti-inflammatory therapies for treating cardiovascular disease. The Post-Doctoral Fellow will perform both in vitro and in vivo experiments aimed at testing novel nanoparticle formulations for their ability to provide protection in relevant pre-clinical animal models of cardiovascular disease.

This role reports to the Professor in the School of Medical Sciences and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Contribute independently and as a collaborative team member to perform cutting-edge biomedical research.
- 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.

In consultation with the supervisors, develop and perform in vitro, ex vivo and in vivo research experiments to screen and test new nanoparticle drugs for their ability to protect against cardiovascular disease.

Analyse, interpret, and compile data for regular presentation and discussion at meetings with the project supervisors and collaborators.

Contribute to the preparation of research manuscripts, conference abstracts/posters and grant applications.

Assist with the writing and timely submission of animal and human ethics approvals.

Assist with the supervision of research students in the research area where required.

Perform administrative duties associated with the functioning of the research group.

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 biochemistry, physiology, pharmacology, or related discipline and/or relevant work experience.
- Experience in performing small animal surgery and experiments employing pre-clinical animal models of cardiovascular disease and/or diabetes.
- 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.