POSITION DESCRIPTION

Research Associate

Position Summary
The Kirby Institute is a world-leading health research institute at UNSW Sydney. We work to eliminate infectious diseases, globally. Our specialisation is in developing health solutions for the most at-risk communities. Putting communities at the heart of our research, we develop tests, treatments, cures and prevention strategies that have the greatest chance of success.

The primary purpose of this Research Associate position will involve use of multiplex spectral microscopy, Nanostring Digital Spatial Profiling and Single Cell RNASeq.

This Research Associate position will be required to work collaboratively and productively with internal and external stakeholders. The appointee will ideally have demonstrated experience in translational human immunovirology, microscopy, molecular biology and RNASeq research techniques and have experience in PC2 containment facilities.

This Research Associate role will report to Scientia Senior Lecturer and has no direct reports.

Accountabilities
Specific accountabilities for this role include:

- Facilitate spectral microscopy on formalin fixed paraffin embedded tissue (FFPE) and conduct statistical analysis of results.
- Undertake Nanostring Digital Spatial Profiling under supervision of senior staff and collaborators.
- Liase with in-house Bioinformaticians and assist with analysis of next generation sequencing results.
- Develop Human Research Ethics (HREC) Submissions and research protocol developments and submissions with Supervisor.
Liaise with other researchers, nurses, physicians, pathologists and bioinformatics to undertake human translational research.

Participate in and present research findings at local, national and international seminars and conferences as required.

Prepare concept sheets, laboratory protocols, study designs, as well as proposals (inclusive of budgets) and reports to various granting bodies.

Prepare ethics committee and institutional bio-safety committee submissions.

Prepare manuscripts relating to this research for publication in high impact journals.

Assist with the supervision of research students to conduct assays and perform analysis.

Keep accurate records of all experimental data, as well up-to-date protocols, and procedures.

Perform other duties as requested by the Supervisors.

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 immunology, molecular biology or medical science (or a related/relevant discipline) or an equivalent level of knowledge gained through any other combination of education, training, or experience.

- Demonstrated expertise in immunovirology and/or T cell biology.

- Experience in microscopy and molecular biology.

- Experience in (or exposure to) next generation sequencing including single-cell RNASeq.

- 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 outstanding interpersonal skills.

- Excellent communication skills in both verbal and written forms.

- 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.