

Position Description – Research Fellow in Immunology

Updated 16 September 2025

POSITION DETAILS	
College	College of Medicine and Public Health
Organisational Unit	Infection and Immunity
Supervisor	Dean, People and Resources (or Delegate)
Classification	Research (Academic) Level B
Employment Type	Fixed-term, full-time (available until 30/07/2027)

POSITION SUMMARY
<p>The Research Fellow will undertake research in research program based on proteomic analysis and functional studies of human autoantibodies in autoimmune diseases under the broad direction of the Chief Investigator. In working with the Chief Investigator and research team, the position will contribute to project design and implementation, the analysis of data and the preparation of manuscripts for publication.</p> <p>The Research Fellow will actively report on new and current research related to the research program, through generation of high quality publications and conference presentations. In addition the position will contribute to the preparation of applications for externally funded research funding.</p> <p>The position will provide supervision for Honours students and research professional staff as required.</p>

UNIVERSITY EXPECTATIONS AND VALUES
<p>All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:</p> <ul style="list-style-type: none"> • demonstrate commitment to the University's values of Integrity, Courage, Innovation, Excellence and the underlying ethos of being Student Centred; • contribute to the efficient and effective functioning of the team or work unit in order to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members if required and undertaking other key responsibilities or activities as directed by one's supervisor; • promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity; • perform their responsibilities in a manner which reflects and responds to continuous improvement; and • familiarise themselves and comply with the University's Work Health and Safety, Injury Management and Equal Opportunity policies. <p><i>A Nationally Coordinated Criminal History Check (NCCHC) which is satisfactory to the University will be required at Flinders University before the successful applicant can commence in this position.</i></p> <p><i>Staff working in a health care setting are strongly recommended to be fully vaccinated against COVID in line with the SA Health policy.</i></p>

KEY POSITION RESPONSIBILITIES

The Research Fellow in Immunology is accountable for:

- Actively contributing to the research project by collaborating with the Research Team to successfully deliver project milestones and Key Performance Indicators.
- Independently contributing to the planning and execution of research by offering new and innovative ideas, reviewing relevant literature and other sources of information, actively participating in the production of data, developing new methodologies, contributing to the writing and editing of manuscripts, grant applications and attending seminars, meetings and conferences.
- Playing a lead role in coordinating, planning and executing the project tasks required to collaborate with industry partners.
- Independently contributing to ethical, high quality and innovative research and evaluation through activities such as scholarship, publishing in recognised high quality journals and assisting the preparation and submission of bids for external research funding.
- Supervision of honours and post graduate research projects.
- Establishing and maintaining collaborations within the University, and at State, national and international levels in order to improve research outputs, patents and publications.
- Some out of hours work (including weekends) as well as rural SA, interstate and overseas travel, may be required.
- Any other responsibilities in line with the level of the position as assigned by the Supervisor and/or the University.

KEY POSITION CAPABILITIES

- Completion of a PhD in Biomedical Science (molecular immunology highly preferred).
- Extensive knowledge in molecular aspects of autoimmunity and/or infection and/or vaccination.
- Demonstrated significant understanding of antibody development.
- Demonstrated deep knowledge and direct experience in proteomics techniques, particularly mass spectrometric sequencing.
- Demonstrated a strong track record including high impact lead author publications, attraction of external competitive grants and presentations at a national and/or international level in related fields of research.
- Demonstrated ability to solve complex problems by using discretion, innovation and the exercise diagnostic skills and/or expertise.
- Demonstrated ability to perform under pressure and meet deadlines.
- Demonstrated ability to plan and execute data collection and analysis.
- Demonstrated well-developed interpersonal skills and experience in collaborating and engaging with diverse stakeholders and industry partners.
- Demonstrated ability to critically review the literature in relevant fields.
- Demonstrated experience to undertake collaborative research and establish and maintain effective relationships with staff and industry.
- Demonstrated excellent oral and written communication skills in an academic environment.
- Demonstrated strong commitment to work, high motivation, passionate about research and demonstrated creativity, including the ability and willingness to generate and incorporate novel ideas and approaches into cutting edge scientific investigations.

Desirable criteria

- *“Multiomics” bioinformatics of protein, immunoglobulin and B-cell receptor databases from blood and tissues.*
- *Experience in handling human/animal tissues and blood samples, and knowledge of WHS requirement for handling tissue blood samples.*
- *Experience in establishing functional assays.*

- *Extensive experience in key advanced molecular biology and cell biology techniques/methods.*
- *Extensive computer literacy and advanced proficiency in utilizing software such as R to produce high-quality work.*
- *In-depth understanding of protein structural biology, particularly antibody structures.*

FLINDERS