



**Australian
National
University**

Position Description

College/Division:	ANU College of Health and Medicine
Faculty/School/Centre:	The John Curtin School of Medical Research
Department/Unit:	Department of Immunology and Infectious Disease
Position Title:	Research Technician
Classification:	ANU Officer 4/5 (Technical)
Position No:	28343
Responsible to:	Group Leader – The Man Group
Number of positions that report to this role:	Nil
Delegation(s) Assigned:	Nil

PURPOSE STATEMENT:

This position will directly support the research conducted by the Innate Immunity and Inflammasome Group, John Curtin School of Medical Research.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Immunology Research Technician position will have the ability to provide support for the senior staff in the Man Group and carry out technical support as relevant to the laboratory. The Immunology Research Technician will be under the routine supervision of the Group Leader and the general supervision of the Laboratory Manager.

Role Statement:

Under general direction of the Group Leader – The Man Group, the Research Technician will :

- Perform tissue cell culture using appropriate sterile techniques and experimental procedures including flow cytometry and ELISA assays.
- Collection of biological samples from laboratory mice including spleen, liver, lymph nodes, thymus and perform injections.
- Perform experimental procedures including Western Blotting techniques and quantifying proteins by ELISA assay.
- Perform routine molecular biology techniques including preparation of DNA, PCR analysis, sequencing and agarose gel electrophoresis of samples.
- Prepare and quantify total RNA, prepare cDNA by RT-PCR and perform Real Time PCR experiments.
- Use the musterer database to maintain mouse strains.
- Maintain accurate and reliable scientific records and work within laboratory guidelines and regulations.
- Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity.

SELECTION CRITERIA:

1. Completion of a relevant degree or an equivalent combination of relevant experience and/or education and training.
2. Experience with laboratory techniques such as handling mice, collecting biological samples for processing and analysis, as well as experience in tissue culture, molecular biology techniques and immunological techniques.
3. Capacity to maintain accurate and reliable scientific records including experience in the use of spreadsheets and databases to accurately record data.
4. Excellent attention to detail and the willingness to master new techniques within the laboratory environment.
5. Well-developed oral and written communication skills, the capacity to work with limited supervision, and the ability to work cooperatively in a team environment.
6. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a University context.

Supervisor/Delegate Signature:		Date:	
Printed Name:		Uni ID:	

References:[General Staff Classification Descriptors](#)[Academic Minimum Standards](#)

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Pre-Employment Work Environment Report

Position Details

College/Div/Centre	College of Health and Medicine	Dept/School/Section	The John Curtin School of Medical Research
Position Title	Research Technician	Classification	ANU Officer 4
Position No.		Reference No.	

In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see . http://info.anu.edu.au/hr/OHS/___Health_Surveillance_Program/index.asp
Enrolment on relevant OHS training courses should also be arranged – see http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see 'Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

Potential Hazards

<ul style="list-style-type: none"> • Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a regular or occasional part of the duties. 			
TASK	regular	occasional	
key boarding	<input type="checkbox"/>	<input type="checkbox"/>	
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	
fieldwork & travel	<input type="checkbox"/>	<input type="checkbox"/>	
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>	
NON-IONIZING RADIATION			
solar	<input type="checkbox"/>	<input type="checkbox"/>	
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	
infra red	<input type="checkbox"/>	<input type="checkbox"/>	
laser	<input type="checkbox"/>	<input type="checkbox"/>	
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>	
CHEMICALS			
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	
allergens	<input type="checkbox"/>	<input type="checkbox"/>	
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	
mutagens/teratogens/	<input type="checkbox"/>	<input type="checkbox"/>	
carcinogens	<input type="checkbox"/>	<input type="checkbox"/>	
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	
TASK	regular	occasional	
laboratory work	<input type="checkbox"/>	<input type="checkbox"/>	
work at heights	<input type="checkbox"/>	<input type="checkbox"/>	
work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>	
noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>	
electricity	<input type="checkbox"/>	<input type="checkbox"/>	
IONIZING RADIATION			
gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>	
beta particles	<input type="checkbox"/>	<input type="checkbox"/>	
nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>	
BIOLOGICAL MATERIALS			
microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>	
potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>	
laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>	
clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>	
genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>	
immunisations	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER POTENTIAL HAZARDS (please specify):			

Supervisor's Signature:		Print Name:		Date:	
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