



## Position Description

<b>College/Division:</b>	College of Science
<b>Faculty/School/Centre:</b>	Research School of Earth Sciences
<b>Department/Unit:</b>	Technical Services
<b>Position Title:</b>	Research Fellow
<b>Classification:</b>	Academic Level B
<b>Position No:</b>	TBC
<b>Responsible to:</b>	Head of Ionprobe Facility
<b>Number of positions that report to this role:</b>	
<b>Delegation(s) Assigned:</b>	

### PURPOSE STATEMENT:

The ANU College of Science (CoS) comprises the Research School of Earth Science, the Research School of Astronomy and Astrophysics, the Research School of Biology, the Research School of Chemistry, the Fenner School of Environment and Society, the Mathematical Sciences Institute, the Research School of Physics and the Centre for the Public Awareness of Science. Staff and students within the ANU College of Science conduct research and deliver a research-led education program that encompasses the entire breadth of the sciences, supported by extensive international networks and by world-class facilities. The College has a strong tradition of research excellence that has fostered distinguished Nobel Laureates and Kyoto Prize winners and that trains scientific leaders in disciplines in which the ANU is consistently ranked in the top twenty in the world.

The Research School of Earth Sciences is the leading centre of Earth and Marine research in Australia. Researchers have a tradition of excellence in addressing the world's challenges in the Earth sciences, such as contributing to a sustainable future by researching the formation of economic deposits of critical minerals, developing innovative and sustainable technologies by which critical metals can be extracted from ore, modelling ocean currents and climate change to inform societal debate and actions, and using sophisticated seismic studies to understand the nature of the deep earth and to manage geohazards.

The Research Fellow is expected to undertake work mainly in the area of research with small contributions to education and service (including outreach). The allocation of time to each area will be discussed with the position supervisor annually and be reflective of the appointee's independent research agenda, school and interdisciplinary teaching requirements and leadership opportunities within the School environment. The staff member will contribute cooperatively to the overall intellectual life of the School, College and University.

### KEY ACCOUNTABILITY AREAS:

#### Position Dimension & Relationships:

The Research Fellow will be a member of Research School of Earth Sciences, accountable to the Head, Ionprobe Facility and the Director, Research School of Earth Sciences. The Research Fellow will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships with all academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders.

This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and where possible, international colleagues.

#### Role Statement:

In their role as an Academic Level B the Research Fellow is expected to:

- Undertake high impact independent research in secondary ion mass spectrometry (SHRIMP/SIMS) (methodology development and applications in earth sciences) with a view to publishing original and

innovative results in international refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and international level.

- Actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
- Contribute to supervising research students and those working on individual or group projects at undergraduate, honours, graduate-coursework levels.
- Contribute to the teaching and the outreach programs of the School.
- Proactively contribute to all aspects of the operation of the School and College. This may include representation through committee memberships.
- Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public when required and as appropriate.
- Maintain and actively promote high academic standards in all education, research and administration endeavours.
- Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.
- Demonstrate understanding of equal opportunity principles and policies and a commitment to their application in a university context.
- Other duties as required that are consistent with the classification of the position.

### Skill Base:

A Level B academic will make a significant contribution to the discipline at the national and international level. In research and/or scholarship and/or teaching they will make original contributions, which expand knowledge or practice in their discipline.

### SELECTION CRITERIA:

- A PhD in a relevant area, with a strong track record of independent research in the field of secondary ion mass spectrometry (SHRIMP/SIMS) as evidenced by cited publications in peer-reviewed journals, collaborations and by other measures such as awards, and invitations to present at prominent conferences etc.
- A demonstrated ability of articulating and prosecuting innovative research in the relevant field and a vision for the activities they will undertake at the ANU.
- A demonstrated ability and commitment to apply for and win competitive external funding to support individual and collaborative research activities.
- Evidence of an ability and willingness to teach at all levels.
- An ability to supervise research students and professional technical staff.
- Demonstrated ability to lead and work as part of a team, significantly contributing to team management and a demonstrated ability to meet deadlines.
- Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels in line with the [RSES Culture Statement](#).
- A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

*The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.*

<b>Supervisor/Delegate Signature:</b>		<b>Date:</b>	<b>January 2023</b>
Printed Name:	<b>Professor Dorrit Jacob</b>	<b>Uni ID:</b>	

### References:

[General Staff Classification Descriptors](#)

[Academic Minimum Standards](#)



# Pre-Employment Work Environment Report

## Position Details

College/Div/Centre	College of Science	Dept/School/Section	RSES
Position Title	Research Fellow	Classification	Academic Level B
Position No.	TBC	Reference No.	

In accordance with the Work Health and Safety Act 2011 (Cth) the University has a primary duty of care, so far as reasonably practicable, to ensure the health and safety of all staff while they are at work in the University.

- This form must be completed by the supervisor of the advertised position and appended to the back of the Position Description.
- This form is used to advise potential applicants of work environment and health and safety hazards prior to application.
- Once an applicant has been selected for the position they must familiarise themselves with the University WHS Management System via Handbook guidance <https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook>
- The hazards identified below are of generic nature in relation to the position. It is not correlated directly to training required for the specific staff to be engaged. Identification of individual WHS training needs must be in accordance with WHS Local Training Plan and through the WHS induction programs and Performance Development Review Process.
- '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](http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp)

## Potential Hazards

<ul style="list-style-type: none"> <li>• Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a <b>regular</b> or <b>occasional</b> part of the duties.</li> </ul>					
<b>TASK</b>	regular	occasional	<b>TASK</b>	regular	occasional
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
Organizing events	<input type="checkbox"/>	<input type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>			
<b>NON-IONIZING RADIATION</b>			<b>IONIZING RADIATION</b>		
solar	<input type="checkbox"/>	<input type="checkbox"/>	gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra red	<input type="checkbox"/>	<input type="checkbox"/>	nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>			
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>			
<b>CHEMICALS</b>			<b>BIOLOGICAL MATERIALS</b>		
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>	potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/ carcinogens	<input type="checkbox"/>	<input type="checkbox"/>	clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
			immunisations	<input type="checkbox"/>	<input type="checkbox"/>
<b>OTHER POTENTIAL HAZARDS (please specify):</b>					
<b>Supervisor/Delegate Name:</b>		<i>Professor Dorrit Jacob</i>		<b>Date:</b>	<i>January 2023</i>