

<b>Position Title:</b>	Research Fellow
<b>Position Classification:</b>	Level B
<b>Position Number:</b>	NEW
<b>Faculty/Office:</b>	Faculty of Science
<b>School/Division:</b>	School of Earth Sciences
<b>Centre/Section:</b>	Centre for Exploration Targeting
<b>Supervisor Title:</b>	Associate Professor
<b>Supervisor Position Number:</b>	310353

### Your work area

The Centre for Exploration Targeting (CET) in the School of Earth Sciences at The University of Western Australia is a leading research centre in mineral system science applied to ore deposits. The CET provides a dynamic learning environment where the pressing problems of the mineral exploration industry can be addressed by teams of researchers using their collective expertise. This multidisciplinary team approach allows the CET to develop innovative research solutions consistent with its mission 'to increase both the rate and quality of discoveries made in mineral exploration, without relying on substantial increases in exploration expenditure'.

### Reporting Structure

Reports to: Associate Professor

### Your role

The role presents an exciting opportunity to join an established team of researchers leading the 3-year 'Yilgarn 2020' project to enhance our understanding of the metallogeny of the Archean Yilgarn Craton.

As the successful appointee, you will play a key role in investigating the metal fertility of the craton by examining how magmatic and metamorphic processes have contributed to the formation of the mineralized camps, as well as contributing to supervision of Honours and PhD students.

### Key responsibilities

Provide input into the planning and design of the research.

Develop research materials

Undertake fieldwork and collection of analytical data

Disseminate knowledge through publication in highly ranked peer reviewed journals of international standing

Proactively support the research team in driving the research program forward

Active participation in research group meetings, and other School meetings

Other duties as directed.

### **Your specific work capabilities (selection criteria)**

PhD qualification in Geoscience

Demonstrated expertise in geochronology and radiogenic isotope geochemistry, and in the application of these to magma generation and crustal evolutionary processes

A high level of technical competency in microanalysis, especially with ion microprobe and laser ablation ICPMS platforms, with a track record of innovation in these techniques

Demonstrated expertise in field geology of Precambrian terranes

A demonstrated ability to work productively in a team

Excellent interpersonal and communication skills

Experience in the supervision of undergraduate and postgraduate student researchers

### **Desirable**

Experience in isotope geochemistry

A record of establishing and maintaining effective, positive relationships with the exploration industry

### **Special Requirements**

None

### **Compliance**

#### **Workplace Health and Safety**

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

#### **Equity and Diversity**

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at [http://www.hr.uwa.edu.au/publications/code\\_of\\_ethics](http://www.hr.uwa.edu.au/publications/code_of_ethics), <http://www.equity.uwa.edu.au>