



THE UNIVERSITY OF  
MELBOURNE

## POSITION DESCRIPTION

The Faculty of Science

### Centenary Research Fellow

*The Faculty of Science is seeking to increase the representation of women in the academic workforce across science disciplines, and therefore strongly encourages applications from female candidates, in line with the special measure provided for under section 12 of the Equal Opportunity Act 2010 (VIC).*

<b>POSITION NO</b>	0041984
<b>CLASSIFICATION</b>	Level B
<b>SALARY</b>	\$95,434 – \$113,323 p.a.
<b>SUPERANNUATION</b>	Employer contribution of 9.5%
<b>EMPLOYMENT TYPE</b>	<p>Full-time (fixed term) position available for 3 years</p> <p>Fixed-term contract type: Academic Research</p> <p><i>The Faculty of Science is strongly committed to supporting diversity and flexibility in the workplace. Applications for part-time or other flexible working arrangements will be welcomed and will be fully considered subject to meeting the inherent requirements of the position.</i></p>
<b>OTHER BENEFITS</b>	<a href="http://about.unimelb.edu.au/careers/working/benefits">http://about.unimelb.edu.au/careers/working/benefits</a>
<b>CURRENT OCCUPANT</b>	Vacant
<b>HOW TO APPLY</b>	<p>Online applications are preferred. Go to <a href="http://about.unimelb.edu.au/careers">http://about.unimelb.edu.au/careers</a>, under 'Job Search and Job Alerts', select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number</p>
<b>CONTACT FOR ENQUIRIES ONLY</b>	<p>Meghan Bergamin</p> <p>Tel: +61 3 8344 3947;</p> <p>Email: <a href="mailto:science-research@unimelb.edu.au">science-research@unimelb.edu.au</a></p> <p><i>Please do not send your application to this contact</i></p>

For information about working for the University of Melbourne, visit our website:

[about.unimelb.edu.au/careers](http://about.unimelb.edu.au/careers)  
[joining.unimelb.edu.au](http://joining.unimelb.edu.au)

## ***Position Summary***

The Centenary Research Fellowship was established to celebrate the centenary of the Faculty of Science in 2003. We seek to recruit an outstanding early career researcher who has the potential to build and lead collaborative research activities, preferably with external organisations including industry and government departments. The University offers a world-class and robust research environment that is internationally engaged and recognised, community focused, and with many outstanding areas of research strength.

You will conduct independent research on your nominated research project topic, leading to the publication of research outcomes, presentations at conferences, external research collaborations and other measures of research impact. You will be located in one of the Schools of the Faculty of Science and will be expected to engage with other academics and contribute more broadly to the core activities of the School and Faculty. The Fellowship will be for a maximum of three years commencing 1 January 2017, but the start date may be deferred up to 30 June 2017. A grant of \$15,000 per annum will be made available to support the successful fellow's research program.

### ***1. Selection Criteria***

*Selection criteria will be addressed by completing the attached Centenary Fellowship Application Form.*

The position is open to suitably qualified persons, irrespective of nationality or residence at the time of application. Appointment of a Fellow from overseas is subject to the Fellow's successful application for an appropriate visa. Current employees of The University of Melbourne who hold an on-going continuing position are not eligible to apply.

The basis of the appointment will be the merit of the candidate and the proposed research project, which should build on research activities or interests in an area that complements the research strengths of a School within the Faculty of Science.

The project must be discussed and approved by the Head of the relevant School(s).

#### **1.1 ESSENTIAL**

- ▶ Completed a PhD in a relevant discipline, with between 3 and 10 years (full-time equivalent) postdoctoral experience (addressed in Part E);
- ▶ Ability to collaborate with staff in one or more of the seven Schools in the Faculty of Science (BioSciences, Chemistry, Physics, Mathematics & Statistics, Geography, Ecosystem & Forest Sciences, Earth Sciences) (addressed in Part F3 and 4);
- ▶ Demonstrated ability to perform independent research (addressed in CV);
- ▶ A track record of research excellence (relative to opportunity) as evidenced by research outputs in leading publications for the discipline and other demonstrable measures of academic peer recognition and/or research impact external to the academy (addressed in Part F5 and in CV);
- ▶ Excellent written and verbal communication skills, as evidenced by primary roles on publications, invitations to present at conferences and/or engagement with the media (addressed in CV).

## 1.2 DESIRABLE

- ▶ Evidence of research collaborations with government, industry or other entrepreneurial activities such as commercialisation of research (addressed in CV);
- ▶ Experience in supervision of graduate students and/or Honours or Masters students (addressed in CV);
- ▶ Experience in the submission of grant applications or research contracts (addressed in CV).

## 2. Key Responsibilities

### 2.1 RESEARCH

- ▶ Independently plan and carry out research in your nominated research project topic and work towards completion of the aims of the project;
- ▶ Develop effective timelines and complete milestones based on goals of the research programme;
- ▶ Build an independent research project that involves a collaboration with government or industry, and/or academic organisations external to the University of Melbourne;
- ▶ Seek opportunities and apply for own research funding;
- ▶ Initiate and conduct high quality innovative research and contribute to knowledge through scholarship, publications and presentations at international meetings or industry advisory groups.

### 2.2 RESEARCH TRAINING

- ▶ Contribute to training, scientific mentoring and supervision of students and junior research staff in the appointee's area of expertise.

### 2.3 SERVICE AND LEADERSHIP

- ▶ Assist other researchers to work as a team and further the School's research output;
- ▶ Attend and actively participate in School and Faculty seminars, meetings and/or committee memberships;
- ▶ Undertake Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in Section 5.

## 3. Special Requirements

Nil.

## 4. *Other Information*

### 4.1 FACULTY OF SCIENCE

<http://www.science.unimelb.edu.au>

Science at the University of Melbourne is the most highly ranked Faculty of Science in Australia.\* Science is defined by its research excellence in the physical and life sciences and is at the forefront of research addressing major societal issues from climate change to disease. Our discoveries help build an understanding of the world around us.

We have over 150 years of experience in pioneering scientific thinking and analysis, leading to outstanding teaching and learning and offer a curriculum based on highly relevant research, which empowers our STEM students and graduates to understand and address complexities that impact real world issues and the challenges of tomorrow.

We aspire to engage the broader community with the impact that Science has on our everyday lives. Through the strength of our internships and research project offerings, our students are provided opportunities to engage with industry partners to solve real-world issues.

The Faculty of Science has over 40,000 alumni and is one of the largest faculties in the University comprising seven schools: BioSciences, Chemistry, Earth Sciences, Ecosystem and Forest Sciences, Geography, Mathematics and Statistics, and Physics.

The Faculty is custodian of the Bio21 Molecular Science and Biotechnology Institute, Office for Environmental Programs and home to numerous Centres.

Science manages more than \$280 million of income per annum, with a staff base in the order of 220 professional staff, and more than 540 academic staff.

We offer a range of undergraduate, honours, graduate and research degrees; enrolling over 7,500 undergraduate and graduate students. The Faculty of Science is the custodial Faculty for the BSc (Bachelor of Science) with enrolments of approximately 6,200 students.

The Faculty of Science is a leader in research, contributing approximately \$50 million in HERDC income per annum. The Faculty of Science is highly research focused, performing strongly in the ARC competitive grants schemes, often out-performing the national average. The Faculty of Science is currently growing its competitiveness and standing in the NHMRC space.

The Faculty of Science provides community services and industry partnerships based on a solid foundation of research in the pure and applied sciences. The Faculty has an endowment of approximately \$50 million. The annual income from the endowment supports more than 120 prizes, scholarships and research awards.

\*Figures from the latest available data for 2015, including published international rankings data.

## 4.2 THE UNIVERSITY OF MELBOURNE

The University of Melbourne is a leading international university with a tradition of excellence in teaching and research. With outstanding performance in international rankings, Melbourne is at the forefront of higher education in the Asia-Pacific region and the world. The University of Melbourne is consistently ranked among the world's top universities. Further information about our reputation and global ranking is available at

<http://futurestudents.unimelb.edu.au/explore/why-choose-melbourne/reputation-rankings>.

Established in 1853, shortly after the founding of Melbourne, the University is located just a few minutes from the centre of this global city. The main Parkville campus is recognised as the hub of Australia's premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide range of knowledge-based industries.

The University employs people of outstanding calibre and offers a unique environment where staff are valued and rewarded. Further information about working at The University of Melbourne is available at <http://about.unimelb.edu.au/careers>.

## 4.3 GROWING ESTEEM, THE MELBOURNE CURRICULUM AND RESEARCH AT MELBOURNE: ENSURING EXCELLENCE AND IMPACT TO 2025

- ▶ Growing Esteem describes Melbourne's strategy to achieve its aspiration to be a public-spirited and internationally-engaged institution, highly regarded for making distinctive contributions to society in research and research training, learning and teaching, and engagement. <http://about.unimelb.edu.au/strategy-and-leadership>
- ▶ The University is at the forefront of Australia's changing higher education system and offers a distinctive model of education known collectively as the Melbourne Curriculum. The new educational model, designed for an outstanding experience for all students, is based on six broad undergraduate programs followed by a graduate professional degree, research higher degree or entry directly into employment. The emphasis on academic breadth as well as disciplinary depth in the new degrees ensures that graduates will have the capacity to succeed in a world where knowledge boundaries are shifting and reforming to create new frontiers and challenges. In moving to the new model, the University is also aligning itself with the best of emerging European and Asian practice and well-established North American traditions.
- ▶ The University's global aspirations seek to make significant contributions to major social, economic and environmental challenges. Accordingly, the University's research strategy *Research at Melbourne: Ensuring Excellence and Impact to 2025* aspires to a significant advancement in the excellence and impact of its research outputs. <http://research.unimelb.edu.au/index.html#home>

The strategy recognises that as a public-spirited, research-intensive institution of the future, the University must strive to make a tangible impact in Australia and the world, working across disciplinary and sectoral boundaries and building deeper and more substantive engagement with industry, collaborators and partners. While cultivating the fundamental enabling disciplines through investigator-driven research, the University has adopted three grand challenges aspiring to solve some of the most difficult problems facing our world in the next century. These Grand Challenges include:

Understanding our place and purpose – The place and purpose grand challenge centres on understanding all aspects of our national identity, with a focus on Australia's 'place' in the Asia-Pacific region and the world, and on our 'purpose' or mission to improve all dimensions of the human condition through our research.

Fostering health and wellbeing – The health and wellbeing grand challenge focuses on building the scale and breadth of our capabilities in population and global health; on harnessing our contribution to the ‘convergence revolution’ of biomedical and health research, bringing together the life sciences, engineering and the physical sciences; and on addressing the physical, mental and social aspects of wellbeing by looking beyond the traditional boundaries of biomedicine.

Supporting sustainability and resilience – The sustainability and resilience grand challenge addresses the critical issues of climate change, water and food security, sustainable energy and designing resilient cities and regions. In addition to the technical aspects, this grand challenge considers the physical and social functioning of cities, connecting physical phenomena with lessons from our past, and the implications of the technical solutions for economies, living patterns and behaviours.

Essential to tackling these challenges, an outstanding faculty, high performing students, wide collaboration including internationally and deep partnerships with external parties form central components of Research at Melbourne: Ensuring Excellence and Impact to 2025.

#### 4.4 EQUITY AND DIVERSITY

Another key priority for the University is access and equity. The University of Melbourne is strongly committed to an admissions policy that takes the best students, regardless of financial and other disadvantage. An Access, Equity and Diversity Policy Statement, included in the University Plan, reflects this priority.

The University is committed to equal opportunity in education, employment and welfare for staff and students. Students are selected on merit and staff are selected and promoted on merit.

#### 4.5 GOVERNANCE

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at <http://www.unimelb.edu.au/unisec/governance.html>.

### 4. *Occupational Health and Safety (OHS)*

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/topics/responsibilities/>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.