



POSITION DESCRIPTION

The Faculty of Science

J.N. Peters Postdoctoral Research Fellow

The University of Melbourne 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).

Position No	0041983
Classification	Level A
Salary	\$66,809 - \$90,657 p.a. (*PhD entry level - \$84,458p.a.)
Superannuation	Employer contribution of 9.5%
Employment Type	Fixed term contract type: Academic Research Full-time (fixed term) position available from 1 January 2017 – 31 December 2017
Other Benefits	http://about.unimelb.edu.au/careers/working/benefits
Current Occupant	Vacant
How to Apply	Online applications are preferred. Go to http://about.unimelb.edu.au/careers , under 'Job Search and Job Alerts', select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number
contact For enquiries only	Meghan Bergamin Tel: +61 3 8344 3947; Email: science-research@unimelb.edu.au <i>Please do not send your application to this contact</i>

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

about.unimelb.edu.au/careers
joining.unimelb.edu.au

Position Summary

The J.N. Peters Bequest provides funds for an early career researcher in a School or Department of the Faculty of Science or Faculty of Medicine, Dentistry and Health Sciences in the field of genetics and human biology, in particularly the influence of heredity and environment on human characteristics.

Eligible candidates must have an agreement with an academic supervisor and the Head of an appropriate School or Department to host the research project.

The successful applicant will conduct independent research on a nominated research project topic that could lead to the publication of research outcomes in journals, presentations at conferences and other measures of peer recognition, for example, awards, research grants and fellowships. The research project may be:

- ▶ Pure research (experimental or theoretical work undertaken to acquire new knowledge without looking for long-term benefits other than the advancement of knowledge); or
- ▶ Applied research (original work undertaken primarily to acquire new knowledge with a specific application in view)

A maintenance budget of \$15,000 to be spent during prior to the conclusion of the Fellowship will be made available to support the successful fellow's research program. For further information see: <http://www.unimelb.edu.au/unisec/utr/pdf/utr7041.pdf>

1. Selection criteria

Selection criteria will be addressed by completing the attached J.N. Peters Postdoctoral Research 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.

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 genetics and human biology that complement the research strengths of a School/Department within the Faculty of Science or Faculty of Medicine, Dentistry and Health Sciences.

The project must be discussed and approved by the Head of the relevant host School.

1.1 ESSENTIAL

- ▶ Completed a PhD, with less than 3 years (full-time equivalent) postdoctoral experience (addressed in Part E);
- ▶ Ability to collaborate with staff in one of the Schools/Departments of the Faculty of Science or Faculty of Medicine, Dentistry and Health Sciences (addressed in Part F3 and 4);
- ▶ A track record of research capability (relative to opportunity) as evidenced by research outputs in leading publications for the discipline and other measures of peer recognition (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 articles in the media (addressed in Part 5 and in CV);

- ▶ Demonstrated relevance of the research project to the study of genetics and human biology (addressed in Part F2.2).

1.2 DESIRABLE

- ▶ Experience in supervision of graduate students and/or Honours or Masters students (addressed in CV);
- ▶ Experience in the submission of grant applications (addressed in CV);

2. *Special Requirements*

Nil.

3. *Key Responsibilities*

3.1 RESEARCH

- ▶ Independently plan and carry out research in your nominated research project topic and work towards completion of the aims of the project;
- ▶ Initiate and conduct high quality research and contribute to knowledge through scholarship, publications in leading journals and presentations at international conferences;
- ▶ Develop effective timelines and complete milestones based on goals of the research programme;
- ▶ Work towards building an independent research project.

3.2 RESEARCH TRAINING

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

3.3 SERVICE AND LEADERSHIP

- ▶ Assist other researchers in order 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.

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>.

5. *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.