



POSITION DESCRIPTION

School of Chemical and Biomedical Engineering
Faculty of Engineering and Information Technology

Elizabeth and Vernon Puzey Postdoctoral Fellowship

POSITION NO	0052171
CLASSIFICATION	Research Fellow (Level A.6 – A.8)
SALARY	\$93,130 - \$99,964 p.a. (pro rata for part time)
SUPERANNUATION	Employer contribution of 17%
WORKING HOURS	Full time (1 FTE)
BASIS OF EMPLOYMENT	Fixed Term for 3 years <i>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>
OTHER BENEFITS	https://about.unimelb.edu.au/careers/staff-benefits
HOW TO APPLY	Online applications are preferred. Go to http://about.unimelb.edu.au/careers , select the relevant option ('Current Opportunities' or 'Jobs available to current staff'), then find the position by title or number.
LOCATION	Parkville campus This position may be required to travel to and work across multiple campuses
CONTACT FOR ENQUIRIES ONLY	Amanda Ellis Tel +61 3 9035 4665 Email amanda.ellis@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

Acknowledgement of Country

The University of Melbourne acknowledges the Traditional Owners of country throughout Australia. The University recognises the unique place held by Aboriginal and Torres Strait Islander peoples as the original custodians of country and their continued connection to the land, waterways, songlines and culture. The University respects all Aboriginal and Torres Strait Islander People and warmly embrace those students, staff, Elders and collaborators who identify as First Nations.

Commitment to Diversity and Inclusion

The Faculty of Engineering and Information Technology (FEIT) is committed to creating a diverse and inclusive environment that welcomes and values all people. We recognise that diversity is essential in contributing to the success of FEIT. Women, Aboriginal and Torres Strait Islanders, the LGBTIQ+ community, people living with disability and those from a culturally and linguistically diverse background, are strongly encouraged to apply. Those seeking support in submitting an application are welcome to contact the Faculty HR team at feit-hr@unimelb.edu.au

Position Summary

The Elizabeth and Vernon Puzey Postdoctoral Fellowship has been endowed to the University to provide for the health and wellbeing of all residents of Australia. The donor is keen to provide a mechanism to retain outstanding Australian researchers in medical research, science and engineering within the country. Candidates thus must be Australian citizens resident in Australia and without the need to leave Australia to augment their knowledge.

The School would like to use this opportunity to focus the position on improving Australian health and wellbeing through research in the food, pharmaceutical or environmental engineering fields.

As the Elizabeth and Vernon Puzey Postdoctoral Fellow, you will undertake high quality, independent and multidisciplinary research to complete the aims of your project. This will involve leading the preparation and publication of research outcomes in international conferences and leading journals as well as presenting your research to a variety of industry partners and/or stakeholders.

In this position, you may also undertake teaching and research supervision directly related to your area of research as opportunities arise.

This Fellowship provides funding of \$10,000 p.a. to support your project costs over the term your fellowship. Applying for additional funding is encouraged.

1. Selection Criteria

1.1 ESSENTIAL

- ▶ Australian Citizenship
- ▶ A postgraduate research degree at PhD level in a field relevant to food, pharmaceutical or environmental engineering.
- ▶ A record of high-quality research as evidenced by publications in leading journals and at conferences commensurate with opportunity.
- ▶ Ability to perform independent research with a commitment to interdisciplinary research.
- ▶ Experience in working with minimal supervision and ability to prioritise tasks to achieve project objectives within timelines.
- ▶ Demonstrated capacity to communicate research concepts to technical and non-technical audiences.
- ▶ Excellent written and verbal communication skills, demonstrated by presentation of research results at conferences, internal forums and manuscript submissions.
- ▶ Excellent interpersonal skills, including an ability to interact with internal and external stakeholders (academic, administrative and support staff) in a courteous and effective manner.

1.2 DESIRABLE CRITERIA:

- ▶ Experience in supervision of students or other researchers.
- ▶ A record of applying for and attracting research grant funding.
- ▶ Experience interacting with industry partners.
- ▶ Demonstrated capacity to build collaborations with a range of other researchers.

1.3 OTHER JOB RELATED INFORMATION

- ▶ This position requires the incumbent to hold a current and valid Working with Children Check.
- ▶ Occasional work out of ordinary hours, travel, etc.

2. Key Responsibilities

- ▶ Independently plan and carry out research on the proposed research project and work towards completion of the aims of the project.
- ▶ Develop effective timelines and milestones based on goals of the research program.
- ▶ Liaise effectively with collaborators and a variety of internal and external stakeholders.
- ▶ Assist other researchers in carrying out research activities in order to work as a team and further the department's research output.
- ▶ Prepare and publish research outcomes in conferences and journals.
- ▶ Conduct presentations to a broad audience, including key industry and/or clinical partners, and in public forums.
- ▶ Provide strong mentorship through the co-supervision of 1-2 PhD students.
- ▶ Attend and actively participate in departmental seminars, meetings and committees as required by your supervisor.

3. Equal Opportunity, Diversity and Inclusion

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the University's People Strategy and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

All FEIT employees are required to behave in a manner that creates; supports and encourages an inclusive and safe work environment for all.

<https://diversity.eng.unimelb.edu.au/#home>

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:

<https://safety.unimelb.edu.au/people/community/responsibilities-of-personnel>

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

5. Other Information

5.1 SCHOOL OF CHEMICAL AND BIOMEDICAL ENGINEERING

<https://eng.unimelb.edu.au/about/departments/school-of-chemical-and-biomedical-engineering>

The School of Chemical and Biomedical Engineering encompasses both the Department of Chemical Engineering and the Department of Biomedical Engineering. This fusion of engineering disciplines provides a dynamic and interdisciplinary environment that is world leading in both research and teaching.

This ranges from the development of bionic prosthetic implants to remediation of Antarctic landscapes. The sweep of technological applications is vast and we are focused on end-use inspired research.

We encompass mining, energy, material science, the environment, medical devices, medical imaging, drug delivery and food production. Our goal is to facilitate knowledge acquisition, research excellence, and its translation into technological, societal, industrial and medical innovation.

DEPARTMENT OF CHEMICAL ENGINEERING

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

The Department of Chemical Engineering hosts several Research Centres including the Peter Cook Centre for Carbon Capture and Research, the ARC Dairy Innovation Research Hub, the Particulate Fluids Processing Centre and the ARC Centre of Excellence in Convergent Bio-Nano Science and Technology.

Our laboratories are housed across four locations including a substantially renovated main building, a second building devoted exclusively to research, two floors within the nearby Chemistry building and a presence within the Bio21 Institute. Our academics have been elected as Fellows of the Royal Society, the world's oldest scientific society, the Australian Academy of Science, and the Australian Academy of Technological Sciences and Engineering.

Strong collaborations with industry, government and community partners inform teaching and research programs with real-world requirements. Industry Engagement is a key focus area for the Department. We carry out research projects based on deep collaborations with government and business and we also work with organisations that provide internship project opportunities for students.

We offer four Masters of Engineering degrees (Chemical, Chemical with Business, Biochemical, and Materials) with over 250 students, as well as undergraduate majors within the Bachelor of Science and Bachelor of Commerce.

5.2 FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

The Faculty of Engineering and Information Technology (FEIT) has been the leading Australian provider of engineering and IT education and research for over 150 years. We are a multidisciplinary School organised into three key areas; Computing and Information Systems (CIS), Chemical and Biomedical Engineering (CBE) and Electrical, Mechanical and Infrastructure Engineering (EMI). FEIT continues to attract top staff and students with a global reputation and has a commitment to knowledge for the betterment of society.

FEIT has never been better positioned as a global leader, anchored in the dynamic Asia Pacific region, creating and curating knowledge to address some of the world's biggest challenges. Through our students and our relationships with communities, we can not only respond to society's needs but anticipate and create engineering and IT solutions for the future.

<https://eng.unimelb.edu.au/>

<https://eng.unimelb.edu.au/about/join-mse>

Our ten-year strategy, FEIT 2025, is our School's commitment to bring to life the University-wide strategy *Advancing Melbourne* and reinforce the University of Melbourne's position as one of the best in the world.

To achieve our ambitions, we will continue to build new infrastructure to enable our teaching, research and engagement; we continue to recruit outstanding people from around the world; and we continue to attract high-quality students from across the globe who are at the heart of our enterprise.

<https://eng.unimelb.edu.au/about/mse-2025>

5.3 THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a public-spirited institution that makes distinctive contributions to society in research, learning and teaching and engagement. It's consistently ranked among the leading universities in the world, with international rankings of world universities placing it as number 1 in Australia and number 32 in the world (Times Higher Education World University Rankings 2017-2018).

The University's 10-year strategy, *Advancing Melbourne* will enable the University to contribute to advancing the state and national interest and make vital contributions to Australia's standing on the world stage. We seek to be a leading force in advancing Australia as an ambitious, forward-thinking country while increasing its reputation and influence globally. <https://about.unimelb.edu.au/strategy/advancing-melbourne>

Further information about working at The University of Melbourne is available at

<http://about.unimelb.edu.au/careers>

Application Requirements

- Cover Letter – of no more than three (3) pages that will include your **Project Proposal** using the following headings:
 - Aims and Background
 - Methods
 - Expected Outcomes
 - Potential impact and relevance to research area in the host department/school
 - Funding opportunities
 - Reference list
- Your Curriculum Vitae