Langlois Postdoctoral Fellowship

POSITION NO 0049963

CLASSIFICATION Research Fellow (Level A.6-B.3)

SALARY $91,125 - $97,812 (pro rata for part time)

SUPERANNUATION Employer contribution of 17%

WORKING HOURS Full time or part time (1 FTE)

The School of Engineering Chemical and Biomedical Engineering 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.

BASIS OF EMPLOYMENT Fixed Term for 3 years


LOCATION Parkville campus

This position may be required to travel to and work across multiple campuses

For information about working for the University of Melbourne, visit our website: about.unimelb.edu.au/careers
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).

https://about.unimelb.edu.au/strategy/growing-esteem

Melbourne School of Engineering

Melbourne School of Engineering (MSE) 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). MSE continues to attract top staff and students with a global reputation and has a commitment to knowledge for the betterment of society.

Our ten-year strategy, MSE 2025, is our School's commitment to bring to life the University-wide strategy Growing Esteem and reinforce the University of Melbourne’s position as one of the best in the world. Investment in new infrastructure, strengthening industry engagement and growing the size and diversity of our staff and student base to drive innovation and develop the transformative technologies of the future are all fundamental principles underpinning MSE 2025.

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

Department of Biomedical Engineering

https://biomedical.eng.unimelb.edu.au/

The Department of Biomedical Engineering is a vibrant and rapidly growing department within the Melbourne School of Engineering, working on some of the most challenging problems at the interface of engineering with life and medical sciences. The central aim of the Department is to apply interdisciplinary expertise and thinking to make new discoveries and provide innovative solutions that will improve healthcare and social wellbeing.

Our research covers a breadth of areas in biomaterials and tissue engineering; biomechanics and mechanobiology; bionics, biomedical imaging and neuroengineering; systems and synthetic biology. We have strong national and international linkages with industry, hospitals, research institutes, and universities.

We teach students within the Bioengineering Systems undergraduate majors in the Bachelor of Science and the Bachelor of Biomedicine, and offer two Masters programs: Master of Engineering (Biomedical) and Master of Engineering (Biomedical with Business).

https://biomedical.eng.unimelb.edu.au/

Position Summary
The Rejane Langlois Postdoctoral Fellowship has been endowed to the University through a philanthropic donor to further enhance research that is at the interface of science, engineering and medicine. The Fellow will work in a focus area of research within the Department of Biomedical Engineering.

As the Rejane Langlois Fellow, you will build an excellent body of research achievement with active exploration of and engagement in broader research collaborations across the University.

The Fellowship will draw on cross-faculty strengths, working with engineers, scientists, health experts, clinical researchers and stakeholders in medical technologies to undertake a body of research work that will have a long-term impact in making our community healthier.

As a 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 $25,000 to support your project costs over the term your fellowship. Applying for additional funding is encouraged.

1. Selection Criteria

1.1 ESSENTIAL

- A postgraduate research degree at PhD level in a relevant field.
- 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 and/or clinical partners.
- Demonstrated capacity to build collaborations with a range of other researchers.

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 an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion and reward on the basis of merit.

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 2015-2020 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.

The University values diversity because we recognise that the differences in our people’s age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous desire to strive for excellence and reach the targets of Growing Esteem.

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:

http://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.
Application Requirements

Curriculum Vitae including a bibliography outlining your research track record

List research outputs in the following order:
- Authored books
- Edited books
- Book chapters
- Refereed journal articles
- Fully referenced conference papers
- Other publication outputs
- Patents

Project Proposal
Submit a Project Proposal (up to 3 pages) 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