

Position Title	Senior Lecturer – Biomedical Engineering
Classification	Level C
School/Division	School of Engineering / Health and Medical Sciences
Centre/Section	
Supervisor Title	Head of Department
Supervisor Position Number	TBA
Position Number	NEW

Your work area

The School of Engineering is renowned for its award-winning researchers, teachers and facilities. It is a multidisciplinary school offering education and research in a number of engineering disciplines, including biomedical, civil, environmental, mining, chemical, mechanical, electrical and electronic engineering. UWA ranks among the world's top universities, as measured by key independent rankings. The School of Engineering has an established and dedicated team of teaching and research staff providing broad-based undergraduate programmes with solid foundations across engineering disciplines. In research, research groups often comprising transdisciplinary researchers that offer integrated solutions to a range of areas, including those in biomedical engineering.

The Harry Perkins Institute of Medical Research is a leading Western Australian medical research institute, dedicated to tackling some of the world's biggest health issues, namely cancer, cardiovascular disease and diabetes and genetic disease. In Perkins, world-class teams accelerate the delivery of life-saving breakthroughs to improve the health of all Western Australians both today and for future generations. It contains a close-knit team of more than 250 researchers working collaboratively to find cures for these diseases, with a strong focus on discovery science that can be translated into clinical care. With three research facilities, co-located with major teaching hospitals, the Perkins has created a culture of innovation and collaboration to deliver better patient outcomes faster.

Reporting structure

Reports to: Head of Department

Dotted line reports to: Director, Harry Perkins Institute of Medical Research

Your role

As the appointee you will, under limited direction collaborate with researchers across different Schools in Engineering and Medical Sciences to build a strong, internationally recognised research programme that complements existing research groups. You will become part of the highly successful Biomedical Engineering@Perkins initiative which is placing biomedical engineers alongside clinicians in order facilitate the development of medical breakthroughs.

As a passionate advocate for teaching excellence, you will be expected to provide a contribution to the Biomedical Engineering programme, through the planning, development and delivery of units. You will be co-located within the School of Engineering and the Harry Perkins Institute of Medical Research.

Your key responsibilities

Undertake independent and collaborative research to generate research output of high impact and international recognition within the general area of biomedical engineering. Although the area in which you may work is open, Perkins has a particular interest in:

- Cardiovascular Mechanics
- Microfluidics
- Biomaterials
- Bioprinting
- Biophotonics
- Biomedical instrumentation
- Mechanobiology
- Tissue engineering

Develop and maintain, with advice from senior academics, a strong, internationally recognized research programme synergistic with existing research groups both at UWA and Perkins; attract research funding from industry, as well as local and federal governments.

Contribute to the development and delivery of world-class innovative teaching in the degree programmes of the School at both undergraduate and postgraduate levels, with particular focus on Biomedical Engineering.

Supervise research students at both the undergraduate and postgraduate levels and post-doctoral research fellows. Attract and recruit quality postgraduate students and postdoctoral research fellows.

Duly provide services to the School and the University in its operation; develop and exercise leadership in its affairs; provide services to the government, the scholarly community and the broader public as required.

Other duties as required.

Your specific work capabilities (selection criteria)

PhD in Biomedical Engineering or a closely related field;

Experience in undertaking high quality research with a clinical or biological focus;

Strong track record of research impact relative to opportunity;

Demonstrated willingness and ability to teach at the undergraduate and/or postgraduate level;

Highly developed written and verbal communication skills in the preparation of high-quality reports, presentations and publications;

An ability and willingness to direct and supervise students.

Special requirements (selection criteria)

There are no special requirements

Compliance

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

The University's Code of Conduct hr.uwa.edu.au/policies/policies/conduct/code/conduct

Inclusion and Diversity web.uwa.edu.au/inclusion-diversity

Safety, health and wellbeing safety.uwa.edu.au/