THE UNIVERSITY OF WESTERN AUSTRALIA

POSITION DESCRIPTION

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	
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. Research groups comprise transdisciplinary researchers that offer integrated solutions in a range of areas, including those in biomedical engineering.

The Harry Perkins Institute of Medical Research (Perkins) is a leading Western Australian medical research institute, dedicated to tackling some of the world's biggest health issues, namely cancer, cardiovascular disease, diabetes and genetic diseases. 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 places biomedical engineers alongside clinicians to facilitate the development of medical breakthroughs. Your research must aligns well with the work being done at Perkins where there are three major programs: Cancer; Cardiovascular Disease and Diabetes; and Genome Biology and Genetic Diseases.

As a passionate advocate for teaching excellence, you will be expected to contribute to the Biomedical Engineering teaching 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 on the QEII Medical Campus.

Your key responsibilities

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 cardiovascular biomechanics**

Undertake independent and collaborative biomedical engineering research to generate research output of high impact and international recognition within an area of relevance to Perkins.

Align your work with one or more of the research programs being undertaken at Perkins

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

Supervise research students at both the undergraduate and postgraduate levels and mentor post-doctoral research fellows. Recruit high quality postgraduate students and postdoctoral research fellows

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 directed

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 with a clear and strong alignment to the work being done at Perkins

Ability and willingness to teach and supervise undergraduate and postgraduate students in the area of cardiovascular biomechanics

An intimate knowledge of grant funding systems and evidence of success in this area in either Government-funded or NFP-funded schemes

Strong track record of research impact relative to opportunity;

Highly developed written and verbal communication skills, bringing diversity of thinking and decision-making to the School of Engineering and Perkins

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/