

Position Title	Research Associate / Research Fellow
Classification	Level A / B
School/Division	School of Human Sciences
Centre/Section	
Supervisor Title	Professor
Supervisor Position Number	309924
Position Number	NEW

Your work area

The School of Human Sciences was formed in 2017 as an amalgamation of the School of Anatomy, Physiology & Human Biology and the School of Sports Science, Exercise and Health. The School is one of the largest in the University and makes a significant contribution to the BSc majors in Anatomy and Human Biology, Exercise and Health, Physiology, Neuroscience, Medical Sciences, and Sports Science. The School also plays a key role in delivery of doctorate programs in medicine, dental medicine and podiatric medicine

Reporting structure

Reports to: Professor Livia Hool

Your role

As the appointee you will, under general direction, work on characterising L-type calcium channel function and mitochondrial function in in vitro models and murine CRISPR mutant models. You will also supervise and assist staff and students in laboratory skills and publish academic papers and other scholarly outputs to a high international standards.

Your key responsibilities

Coordinate and conduct research experiments and activities and interpret results

Supervise and assist staff and students in laboratory skills

Plan and develop a range of research activities

Contribute to research reports and seminar presentations

Publish academic papers and other scholarly outputs to a high international standard, and in accordance with the research expectations of the UWA School of Human Sciences and research funded by NHMRC

Apply for competitive travel grants and contribute to writing competitive research grants as required

Participate and attend conferences as required

Other duties as directed

Your specific work capabilities (selection criteria)

Relevant degree and post graduate qualification in physiology or pharmacology or biochemistry

Experience in patch-clamp measurement of ion channels, single channel and/or macroscopic currents, and pClamp software

Experience in molecular biology and preparation of mutant constructs and transfection of constructs in culture cell lines

Experience in animal physiology (measurement of cardiac contractile function by left ventricular catheterisation, echocardiography), and biochemistry (immunoblot and/or western blot technique, fluorescent detection of calcium and/or mitochondrial function) are highly desirable

Experience and willingness to supervise students and/or staff

Proficiency in a range of computing skills such as spreadsheets, databases, and statistics

Well-developed organisational skills and ability to set priorities and to meet deadlines

Ability to work independently, show initiative and work productively as part of a team

Well-developed written and verbal communication skills

Knowledge of safety issues relating to the use of laboratory equipment and chemicals

Special requirements (selection criteria)

National and/or international travel may be required

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/