

Position Title:	Research Associate (Electrophysiologist)
Position Classification:	Level A
Position Number:	NEW
Faculty/Office:	Science
School/Division:	Human Sciences
Supervisor Title:	Research Associate Professor
Supervisor Position Number:	309924

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 contributes to medical, dental and paramedical education in all tertiary institutions within Western Australia.

Reporting structure

Reports to: Research Associate Professor Livia Hool

Your role

A full time postdoctoral position is available in the Cardiovascular Electrophysiology Laboratory in the School of Human Sciences. We are seeking an experienced electrophysiologist to work on characterising L-type calcium channel function in murine CRISPR mutant models. Experience in animal physiology and biochemistry is also highly desirable. The appointee will be supervised by Research Associate Professor Livia Hool.

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.

You will be required to apply for competitive travel grants and may be required to contribute to writing competitive research grants

Other duties as directed.

Your specific work capabilities (selection criteria)

Relevant degree and post graduate qualification in biophysics and/or physiology or pharmacology or molecular science or biochemistry

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

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

Conference participation as required or directed. This will involve national and/or international travel. The applicant should be willing to apply for competitive grants for travel and/or workshop attendance.

Compliance

Workplace Health and Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Equity and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://www.equity.uwa.edu.au>