

<b>Position Title</b>	Postdoctoral Research Associate
<b>Classification</b>	Level A
<b>School/Division</b>	School of Human Sciences
<b>Centre/Section</b>	
<b>Supervisor Title</b>	Professor
<b>Supervisor Position Number</b>	309924
<b>Position Number</b>	

## Your work area

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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 play a key role in delivery of doctorate programs in medicine, dental medicine and podiatric medicine

## Reporting structure

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Reports to: Professor

## Your role

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A full time postdoctoral position is available in the Cardiovascular Electrophysiology Laboratory in the School of Human Sciences. We are seeking an experienced researcher to work on characterising L-type calcium channel function and mitochondrial function in in vitro models and murine CRISPR mutant models. The appointee will be reporting to Research Professor Livia Hool.

## Your key responsibilities

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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

Conference participation as required

Other duties as directed

## **Your specific work capabilities (selection criteria)**

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

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

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)**

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National and/or international travel may be required

## **Compliance**

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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](http://hr.uwa.edu.au/policies/policies/conduct/code/conduct)

Inclusion and Diversity [web.uwa.edu.au/inclusion-diversity](http://web.uwa.edu.au/inclusion-diversity)

Safety, health and wellbeing [safety.uwa.edu.au/](http://safety.uwa.edu.au/)