# About us

How often do you look at the world with a new perspective? At the Victor Chang Cardiac Research Institute we do it every day. It’s in our DNA, our culture, and our attitude. In pursuit of this we have established a Cardiovascular Research Innovation Centre comprised of seven cutting-edge facilities including a cell phenotyping core. This core aims to provide phenotypic characterisation for a range of cell types including primary cardiomyocytes, cardiomyocytes differentiated from iPS cells, endothelial cells and heterologous expression systems. The specific focus of the facility is on high throughput acquisition of data relating to electrophysiology, calcium homeostasis and mechanical properties of cells in health and disease.

# Our values

**Passion:** To encourage and share the excitement of scientific discovery

**Courage:** To have the courage to pursue research that will enable us to imagine the unimaginable

**Integrity:** To act with honesty and fairness at all times

**Curiosity:** To create an environment that encourages and feeds curiosity

**Teamwork:** To promote collegiality

**Respect:** To respect the individual and their unique and diverse contributions

We strive to ensure our staff and students enjoy a great working environment. We value and are committed to providing a working environment that embraces diversity and gender equity and promotes flexible working arrangements for staff to balance working requirements and personal needs.

**Come and work with us and help make a difference.**

# This role

## **The role is a key part of our new cell phenotyping research facility.** You will work on a diverse range of projects from internal and external collaborators, ensure the effective and timely operation of equipment and instrumentation within the Laboratory, enable training of new users and engage with and facilitate their research. This position reports to the Head – iPSC facility (Dr Ashish Mehta).

**Duties and responsibilities include, but are not limited to:**

Operation of high throughput cell phenotyping platforms:

* Nanion Syncropatch PE384
* Vala Sciences IC-200 Kinetic Imaging Cytometer
* Axion Maestro Apex automated MEA platform
* Perkin Elmer Opera Phenix HCA system
* Agilent Seahorse XFe96
* Hamilton STAR robotic tissue culture

Directing and/or performing method development/ improvement/validation

Provision of analytical expertise to NSW cardiovascular researchers

Training of staff and/or postgraduate students in analytical methods

Provision of backup expertise for tissue culture robots

Facility administration including organising maintenance under current service contracts, ordering of chemicals, consumables, etc.

Compiling and devising SOPs and methodological workflows

## **We would like to meet you if you meet the following selection criteria:**

Essential

* PhD in cell biology / physiology
* Experience in cellular electrophysiology methods
* Experience with calcium imaging
* Demonstrated knowledge and experience of method development and validation
* Experience with handling and analysing large data sets
* A proven ability to work collaboratively with colleagues from different disciplines, with highly developed interpersonal skills
* High level oral and written communication skills
* An ability to work in an efficient and well-organised manner under pressure
* Reliability, flexibility, adaptability and success in multi-tasking
* A strong desire for professional development and to improve technical skill-base
* An ability to manage and organise staff/students and sophisticated instrument resources

Preferred

* Experience with high throughput assay development
* Experience with use of robotic liquid handling systems
* Laboratory management experience

**APPLICATION**

All applications must consist of the following documents:

1. Covering Letter
2. A statement specifically addressing each of the Selection Criteria in detail
3. Resumé/Curriculum Vitae

Applications received without all documents detailed above will be deemed incomplete and will not be accepted or processed for further consideration.

**Salary**

Salary will be commensurate with qualifications and experience with salary packaging and superannuation options also available.

**Terms of Position**

This position is a three year renewable appointment.