

Computer Scientist



- Help the 3.7 million Australians affected by cardiovascular disease
- World class research institute
- Inner city location, close to public transport

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, our attitude and our approach.

For over 20 years, through the power of discovery, we have been able to imagine the unimaginable, revolutionising the understanding of heart disease –still the leading cause of death and disability in our society.

From the legacy of legendary heart transplant surgeon Victor Chang, the Institute's team have rapidly pioneered research with a shared and life changing vision – to reduce the incidence, severity and impact of heart 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

Applications are invited for a Research Assistant or Post-doctoral Scientist to join the Computational Cardiology group at the Victor Chang Cardiac Research Institute.

In this position, you will use computational models of cardiac electrophysiology to evaluate the mechanism of disease in both inherited and drug-induced arrhythmias.

You will join a dynamic team of scientists working on the molecular basis of abnormal heart rhythms using state-of-the-art electrophysiology and computational techniques.

This is a full-time appointment for up to three years with the possibility of renewal subject to funding.

Skills Required

- Doctoral degree or relevant experience in computational biology, biomedical engineering, systems biology, biophysics or related fields.
- Experience in simulation of biological processes, and programming in Matlab and C++ are essential; experience with CUDA is desirable.
- Experience with highly parallel problems and developing in high performance computing environments is desirable
- Basic knowledge of pharmacology and cardiac electrophysiology useful.
- Excellent oral and written communication and ability to work within a multi-disciplinary team.

For more details on our teams visit our website - <https://www.victorchang.edu.au/heart-research/computational-cardiology>

Salary

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

- How to apply:**
- For further information about the role, please contact Dr Adam Hill (a.hill@victorchang.edu.au) or Prof Jamie Vandenberg (j.vandenberg@victorchang.edu.au)
 - To apply, please send your cover letter, CV and contact details for three referees to recruitment@victorchang.edu.au

Closing date: 23rd February 2018