

# Metabolomics Research Scientist



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

## About us

The Victor Chang Cardiac Research Institute is dedicated to finding cures for cardiovascular disease and is one of the most respected heart research facilities in the world.

In 2016, the Victor Chang Cardiac Research Institute established a *Cardiovascular Research Innovation Centre*, comprised of seven cutting-edge facilities, with a focus on Stem Cells and Regeneration, Cardiogenomics and Gene Editing, Cardiac Imaging, Transplantation and Devices, and Metabolomics.

This new centre will attract world-class researchers and drive transformative research. It will allow scientists to access cutting-edge technologies and will foster collaborations between clinical researchers and technological experts, all with a shared vision: to reduce the incidence, severity and impact of heart disease.

## The role

**The Metabolomics Research Scientist is an important part of our new Metabolomics Research Facility.**

In this role you will ensure the effective and timely operation of analytical equipment and instrumentation within the Laboratory and enable the training of new users and engage with and facilitate their research.

This position reports to the Head – Metabolomics (A/Prof Mark Hodson).

### Duties and responsibilities include:

- Ensuring the smooth operation of the metabolomics research facility
- Quantitative analysis of various metabolite and lipid classes by UHPLC-MS/MS, and qualitative analysis by UHPLC-Q-ToF-MS
- Provision of metabolomics, lipidomics and analytical expertise to NSW cardiovascular researchers

- Training of staff and/or postgraduate students in metabolomics and analytical methods
- Directing and/or performing method development/improvement/validation
- Compiling and devising SOPs and methodological workflows
- Laboratory management, including organising maintenance under current service contracts, ordering of chemicals, consumables, etc.

## About you

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

### Essential

- BSc in the field of analytical (bio)chemistry and a minimum of five years' relevant experience
- A solid understanding and demonstrated knowledge and experience of targeted and untargeted metabolomics techniques for the analysis of biological samples
- Demonstrated knowledge and experience of biochemical/metabolite analysis and routine analysis with LC-MS/MS systems
- Demonstrated knowledge and experience of metabolomic method development and validation
- Demonstrated knowledge and experience of chromatographic and mass spectrometric principles, technologies and system maintenance
- Demonstrated experience in operating in a dynamic and diverse workplace and the ability to provide advice and training in the analytical aspects of metabolomics analysis
- 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

Passion • Courage • Integrity • Curiosity • Teamwork • Respect

### How to Apply:

- For further information about the role, please visit our website – [www.victorchang.edu.au](http://www.victorchang.edu.au)
- Please send your cover letter, a statement addressing the selection criteria, and CV to [recruitment@victorchang.edu.au](mailto:recruitment@victorchang.edu.au)

**Closing date:** 31<sup>st</sup> July 2019

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Cardiac Research Institute

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- Reliability, flexibility, adaptability and success in multi-tasking
- An ability to manage and organise staff/students and analytical instrument resources.

## Preferred

- MSc/PhD in the field of analytical (bio)chemistry or equivalent
- Laboratory management experience
- Biological/medical research experience
- Demonstrated knowledge and experience of discovery analysis with LC-MS systems (e.g. Q-TOF)
- Experience with the generation and statistical analysis of 'omics' data
- Proven ability to undertake scientific research in metabolomics, lipidomics or analytical chemistry as demonstrated by research track record (relative to opportunity) and evidenced by peer-reviewed publications in high-quality journals

## What we offer:

- Salary packaging
- Bonus superannuation
- State of the art facilities
- Stimulating work setting focussed on cutting edge medical research
- Collaborative team environment

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.**

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