

Post-doctoral Research Scientist - Biochemist



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

About Us

From the legacy of legendary heart transplant surgeon Victor Chang, the Institute's team has rapidly pioneered research with a shared and life changing vision – to reduce the incidence, severity and impact of heart disease, still the leading cause of death and disability in our society

The Role

We are seeking an enthusiastic Post-doctoral Scientist to join an international team and who wants to forge a career in biochemistry and biological chemistry in the Vascular Biology Division, headed by **Professor Roland Stocker**.

The Project

The project involves the characterization of biochemical pathways that differentiate unstable from stable atherosclerotic lesions, with the aim to fill a currently unmet but important clinical need to identify unstable plaques in humans that can give rise to heart attacks.

The focus will be on using a mouse model of unstable/vulnerable atherosclerotic plaque (*Circ Res* 2013;113:252) and characterizing unstable and stable plaque using non-targeted and targeted proteomics and metabolomics. The potential clinical relevance of novel biochemical parameters identified in the mouse model as being specific for vulnerable plaques will be tested by:

- quantifying these parameters in blood plasma samples from well characterized patients with or without acute coronary syndrome; and
- developing methods to detect the novel pathways identified as potential novel imaging tool for the non-invasive detection of vulnerable plaque *in vivo*.

About You

The successful candidate will hold a PhD, be highly motivated, capable of independent work as well as performing well in a team, and be willing to 'bridge' biochemical with biomedical research.

Good interpersonal, written and oral communication skills are required.

Hands-on experience with the following is essential:

- Experience in analytical biochemistry including LC-MS/MS
- Experience in proteomics and/or metabolomics, including analysis of data from non-targeted 'omics' approach'
- Experience in working with biological materials, preferentially mouse and human tissue

Experience and capacity to establish novel analytical methods is desirable, as is knowledge in redox chemistry/biochemistry.

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 & help make a difference.

Passion • Courage • Integrity • Curiosity • Teamwork • Respect

How to Apply:

- For further information about the role, please visit our website – www.victorchang.edu.au
- If you would like to apply for this role, please send your cover letter, resume and contact details for three referees to recruitment@victorchang.edu.au

Closing date: 1 June 2018