Pre-Clinical Imaging 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, Pre-clinical and Clinical 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 their collaborations with clinical researchers and technological experts, all with a shared vision: to reduce the incidence, severity and impact of cardiovascular disease.

The role
The Preclinical Research Scientist is an important part of our new Pre-clinical Imaging Facility of the Victor Chang Cardiac Research Institute, with an affiliation to UNSW through the Biological Resources Imaging Laboratory (BRIL) of the Mark Wainwright Analytical Centre at UNSW Sydney.

We are looking for an experienced Research Scientist with a strong background in pre-clinical imaging, particular MR and/or PET imaging.

In this role you will provide a high level of expertise and support in MRI and PET, optical imaging, CT and other imaging techniques to researchers using these instruments.

Duties and responsibilities include:
- Support users of the Facility with imaging experiments by setting up imaging protocols, performing and supporting pre-clinical scanning and supervising researchers
- Drive the development of collaborative research projects involving pre-clinical imaging
- Induct, train and supervise staff and research students who will work in the Facility
- Develop and implement scanning applications for original research, as a member of an interdisciplinary team and support users with image post-processing and quantification for multi-modal imaging data as required
- Install, test and implement new imaging hardware; support and maintain local IT infrastructure for the Facility
- Develop familiarity with related instrumentation relevant to the research projects being undertaken
- Develop and implement protocols for the Facility as required
- Manage all aspects related to radiation safety in the Facility including ordering of radiochemicals, ensuring their safe use, monitoring as required and disposal in accordance with approved protocols
- Participate in collaborative research involving pre-clinical imaging
- Contribute to the general management and operation of the Facility
- Drive the development of new capabilities in the Facility by implementation of additional methods

Closing date: July 26, 2019

For further information about the role, please visit our website – www.victorchang.edu.au
Please send your cover letter, a statement addressing the selection criteria, and CV to recruitment@victorchang.edu.au
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About you

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

- PhD and/or experience in a discipline involving MR and/or PET imaging
- Hands-on experience in operation of pre-clinical imaging systems
- Detailed knowledge of the operational principles of MR and/or PET imaging with experience in design and implementation of experiments and associated data processing
- Hands-on experience in the use of radiochemicals, or a willingness to acquire relevant knowledge
- Demonstrated capacity to work with, train and support others in the use of pre-clinical imaging experiments in a multi-disciplinary research environment
- Experience with data processing methods and ability to learn new image processing software and to manage large data sets
- Excellent organizing and time management skills
- Ability to contribute to laboratory management and operations
- Excellent oral and written communication
- Python, matlab, C/C++ programming skills highly advantageous

What we offer:

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

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.

How to Apply:

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