Research Associate – Ocular Tissue Engineering Group

Are you a Bioinformatics expert & want to work alongside a committed/progressive research team in the Perkins Institute of Medical Research?

The Lions Eye Institute (LEI) is a not-for-profit centre of excellence that combines world class scientific research into the prevention of blindness with the highest level of eye care delivery. The LEI is one of the largest multi-disciplinary eye research institutes in the Southern hemisphere. It successfully competes for funding from national and international funding bodies and has a proven track record in research translation. The Institute is affiliated with the Centre for Ophthalmology and Visual Science at the University of Western Australia.

The OTE Group is led by highly regarded Ophthalmologist Dr Fred Chen. His research teams are involved in testing of new treatments in dry age-related macular degeneration, high resolution retinal imaging, monitoring of inherited retinal diseases and application of stem cell technology in personalised medicine. The Research Associate will provide imaging support to clinical and laboratory research programs within OTE. The position will suit someone with higher degree qualifications in biomedical, software engineering or equivalent with relevant computer programming experience such as neural network simulator, statistical analysis, data visualisation and registration softwares.

This is a fulltime, initial fixed term (12 month) position and the role will involve:

- Investigating new strategies for image segmentation and data visualisation for diagnosis and management of retinal diseases
- Designing methodology for data visualisation to aid monitoring disease progression and structure function correlation
- Designing artificial neural network learning platform for image segmentation, classification and measurement of disease progression
- Designing software for high-throughput image data analysis
- Collaborating with other groups and laboratories
- Preparing and contributing to research reports and papers for publication
- Evaluating and presenting results
- Research supervision of students
- Preparing and submitting funding submissions/grants and reports to funding agencies

We offer:

- State of the art laboratory and imaging equipment
- Competitive salary with generous salary packaging.
- Excellent opportunity for career growth
- Be part of a friendly and dedicated team of professionals

For full job description and selection criteria email recruitment@lei.org.au

APPLY below or send applications to recruitment@lei.org.au by Friday COB 20th October 2017