PHARMACOLOGY & THERAPEUTICS

Seminar Series - 2017

When: **Friday 13th October @ 12:00 pm**
Where: **Rand Theatre, Level 8, Medical Building**

"Zebrafish as a multi-disciplinary vertebrate model system for the Parkville Precinct"

Dr Patricia Jusuf
Head of Screening Laboratory, The University of Melbourne

Dr Andrew Cox
Peter MacCallum Centre, VCCC

Zebrafish are increasingly being adopted in multi-disciplinary research. But what does this vertebrate model system have to offer and how might it complement your research? Patricia Jusuf and Andrew Cox are focused on opening up and demystifying zebrafish for colleagues within the Parkville precinct. This seminar will highlight established techniques and successful case studies of how the zebrafish has contributed to developmental biology, disease modelling and drug screening, and present a vision for integrating future capacity within Parkville.

After a PhD in Neuroscience (University of Melbourne), Patricia started using zebrafish to study the genetics of neural development (University of Cambridge, UK) and regeneration (Australian Regenerative Medicine Institute, Monash University), which remains the focus of her group at the School of Biosciences, University of Melbourne.

Following his PhD in Biochemistry (University of Otago), Andrew undertook postdoctoral training at Brigham and Women's Hospital, Harvard Medical School. Dr Cox recently started his own lab at the Peter MacCallum Cancer Centre and holds a joint appointment in the Department of Biochemistry and Molecular Biology at the University of Melbourne. His laboratory uses zebrafish as a model system to elucidate the role that metabolism plays in liver regeneration and cancer.

Seminar Convenor: *Dr Susan Northfield* *Email: susan.northfield@unimelb.edu.au*
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