

Symposium 10: Sex differences in chronic diseases: implications for future therapies

Assoc Prof Anthony J. Hannan, University of Melbourne



Anthony Hannan received his undergraduate training and PhD from the University of Sydney. He was then awarded a Nuffield Medical Fellowship at the University of Oxford, where he subsequently held other research positions. Dr Hannan is an ARC Future Fellow (FT3), Principal Research Fellow and head of Neural Plasticity, Florey Institute of Neuroscience and Mental Health, Melbourne Brain Centre. He is also an Honorary NHMRC Senior Research Fellow and Associate Professor at the University of Melbourne. His laboratory investigates gene-environment interactions and experience-dependent plasticity in the healthy and diseased brain. An outline of current research activities can be found at: www.florey.edu.au/research/neural-plasticity.

Assoc Prof Kate Denton, Monash University



Associate Professor Kate Denton is a Senior Research Fellow (NHMRC) at Monash University, Melbourne, Australia. An integrative physiologist her research focuses on cardiovascular and renal physiology, with a particular emphasis on the regulation of arterial pressure. Current projects examine sex-differences in the role of the renin-angiotensin in arterial pressure regulation and the impact of a chronic hypertension during pregnancy on offspring. A/Prof Denton is the program convenor for ISH 2012, has been the program secretary for the Australian High Blood Pressure Research Council (2008-2010), on the editorial board of the Journal of Hypertension, guest editor for the American Journal of Physiology and on numerous selection committees for nationally competitive funding.

Dr Amanda Sampson, Baker IDI Heart and Diabetes Institute



Dr Amanda Sampson completed her PhD in 2008 at the department of Physiology, Monash University Clayton. Her research revealed the first evidence that low dose AngII, a potent vasoconstrictor, reduced arterial pressure in females via an AT2R-dependent mechanism. Following this work, Dr Sampson completed a 2 year postdoctoral appointment in Prof. Anna Dominiczaki's genetics laboratory at the University of Glasgow, Scotland. Dr Sampson has continued her research into sex differences in blood pressure regulation and is currently investigating the role of the Y chromosome in blood pressure regulation at the Baker IDI Heart and Diabetes Institute.

Prof Lea Delbridge, The University of Melbourne



Professor Lea Delbridge heads the Cardiac Phenomics Laboratory in the Department of Physiology at the University of Melbourne. Her research focus is to understand structural and functional cardiopathology in different forms of hypertrophic cardiomyopathy associated with hormonal disturbances. Lea is World Council Member and President of the Australasian Section Council of the International Society of Heart Research (ISHR), a recent Council member for the Australian Physiological Society (AuPS), an elected Fellow of the Cardiac Soc of Aust & NZ and appointed to the Cardiac Society of Australia & NZ Scientific Committee. She is also an editorial board member for a number of international journals, including J Molecular & Cellular Cardiology and the Am J Physiol (Heart.)

Prof Fadi Charchar, University of Ballarat



Fadi Charchar graduated from Melbourne University (PHD) 1998 and is currently Associate Dean (Research) at the University of Ballarat. He was a Wellcome Trust Research Fellow at University of Glasgow and a BHF Lecturer at the University of Leicester. His research interests centers on molecular genetics of complex disease. This includes the Genetics of cardiovascular diseases, sexual dimorphism of cardiovascular risk and the contribution of changes in genomic structure to disease. He has recently been awarded the Okamoto Young Investigator prize for his research on the Y sex chromosome and coronary artery disease.