

<p>QRW Programme Heart Disease Satellite Meeting 28th August – 29th August, 2016 Rutherford Hotel, Nelson, New Zealand</p>

Sunday 28th August		
Time	Molecular Basis of Cardiovascular Disease Chaired by Alison Heather & Steve Giesege	Location
8.30am - 9.00am	Andrew Brown – sponsored by pH Scientific <i>School of Biotechnology and Biomolecular Sciences, University of New South Wales, Sydney, Australia</i> Control of Cholesterol Synthesis	Heaphy Room
9.00am - 9.25am	Sally McCormick <i>Department of Biochemistry, University of Otago, Dunedin, New Zealand</i> Ribose-cysteine increases glutathione-based antioxidant status and reduces atherosclerosis in apoE- deficient mice	Heaphy Room
9.25am - 9.40am	Martin Fronius <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> Epithelial Na ⁺ channel and the endothelial glycocalyx mediate shear stress responsiveness in arteries	Heaphy Room
9.40am - 9.50am	Monika Sharma <i>Department of Biochemistry, University of Otago, Dunedin, New Zealand</i> Recycling of apolipoprotein(a) after PlgRKT-mediated endocytosis of lipoprotein(a)	Heaphy Room
9.50am – 10.00am	Hannah Prebble <i>School of Biological Sciences, University of Canterbury, Christchurch, New Zealand</i> Case study of the activation of macrophages in atherosclerotic plaque	Heaphy Room
10.00am-10.30am	Morning Tea	Maitai 1
Time	Genetics and Biomarkers Chaired by Sally McCormick	Location
10.30am-11.00am	Annika Winbo <i>Department of Clinical Sciences, Pediatrics, Umeå University, Umeå, Sweden & Department of Physiology, University of Auckland, Auckland, New Zealand</i> NOS1AP variants affecting QTc in the long QT syndrome- mainly a male affair?	Heaphy Room

11.00am-11.30am	Vicky Cameron <i>Christchurch Heart Institute, University of Otago, Christchurch, New Zealand</i> Heart Disease Biomarkers: An update	Heaphy Room
11.30am-12.00pm	Rajesh Katare <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> Circulating cardiovascular microRNAs as diagnostic biomarkers for early diagnosis of diabetic heart disease	Heaphy Room
12.00pm-12.30pm	Steve Gieseg <i>School of Biological Sciences, University of Canterbury, Christchurch, New Zealand</i> Macrophage markers and plaque imaging	Heaphy Room
12.30pm-1.30pm	Lunch	Maitai 1
Time	Environmental Influences on Heart Disease Chaired by Vicky Cameron	Location
1.30pm-2.00pm	Kirsten Coppell <i>Edgar Diabetes and Obesity Research, Department of Medicine, University of Otago</i> Can primary care contribute to halting and reversing the diabetes epidemic?	Heaphy Room
2.00pm-2.30pm	Anna Rolleston <i>The Cardiac Clinic, The University of Auckland</i> Using a Maori philosophy to formulate meaningful questions to address heart disease: from the laboratory to the community	Heaphy Room
2.30pm-3.00pm	Sandra Mandic <i>School of Physical Education, Sport and Exercise Sciences, University of Otago, Dunedin, New Zealand</i> Built Environment, Active Transport and Cardiovascular Disease Prevention	Heaphy Room
3.00pm-4.00pm	Afternoon tea	Maitai 1
Time	The XX Factor in Heart Disease Chaired by Kirsten Coppell	Location
4.00pm-4.30pm	Alison Heather <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> Ischemic Heart Disease in Women	Heaphy Room
4.30pm-5.00pm	Lea Delbridge <i>Department of Physiology, University of Melbourne, Australia</i> Myocardial vulnerability- estrogens, androgens and arrhythmogenesis	Heaphy Room

5.00pm-5.30pm	Jinny Willis <i>Lipid & Diabetes Research Group, Don Beaven Medical Research Centre, Christchurch Hospital Campus, Christchurch, NZ</i> Heart Disease Risk in Women with Diabetes: Double Jeopardy?	Heaphy Room
6.00pm-7.30pm	Student Poster session	Maitai 2
8pm	Satellite Dinner 276 Trafalgar Street Make your way there on foot – 7 minutes walk.	Fords Restaurant

Monday 29th August

Time	Cardiac Function and Dysfunction Chaired by Ivan Sammut and Kim Mellor	Location
8.30am – 9.00am	David Eisner <i>Unit of Cardiac Physiology, Institute of Cardiovascular Sciences, The University of Manchester</i> Cardiac transverse tubules: from function to failure	Riwaka Room
9.00am-9.30am	Rebecca Ritchie <i>Baker IDI Heart & Diabetes Institute, Melbourne,, Australia</i> Targeting physiological growth signalling as a novel therapy for diabetic cardiomyopathy	Riwaka Room
9.30am - 10.00am	Regis Lamberts <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> Changes in β -AR signalling in the human diabetic heart	Riwaka Room
10.00am-10.15am	Luis Gonano <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> RyR2 dysfunction and digitalis toxicity	Riwaka Room
10.15am-10.45am	Morning Tea	Maitai 1
Time	Free Abstract Session Chaired by Alison Heather and Andrew Brown	Location
10:45-11:00	Max Pinkham <i>Department of Physiology, FMHS, University of Auckland, New Zealand</i> Weight gain in ovariectomized female rats does not exacerbate heart failure development following myocardial infarction	Riwaka Room
11:00-11:15	Joanne Harrison <i>Department of Pharmacology and Toxicology, University of Otago, New Zealand</i> Novel organic carbon monoxide releasing molecules protect the heart against ischaemia reperfusion injury	Riwaka Room
11:15-11.30	Denis Loiselle <i>Department of Physiology & Auckland Bioengineering Institute, The University of Auckland</i> Can Dietary Supplementation with Omega-3 Fish-Oils Really Improve the Pumping Efficiency of the Heart?	Riwaka Room
11:30-11:45	Rohit Ramchandra <i>Department of Physiology, The University of Auckland, Auckland, NZ</i> Divergent changes in cardiac sympathetic nerve activity and norepinephrine spillover in heart failure	Riwaka Room
11:45-12:00	Peter Jones <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i>	Riwaka Room
12:00-12:15	Akash Deep Chakraborty	Riwaka Room

	<i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> Regulation of RyR2 by protein kinase CK2	
12:15-12:30	Lorna Daniels <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> The effects of CaMKII inhibition on post-rest behaviour and spontaneous contractions in isolated Zucker diabetic fatty rat cardiac muscle	Riwaka Room
12.30pm-1.30pm	Lunch	Maitai 1
Time	Heart Modelling- From <i>in vivo</i> to <i>in silico</i> and back Chaired by Pete Jones	Location
1.30pm – 2.00pm	Edmund Crampin <i>School of Engineering, University of Melbourne</i> Calcium signalling in cardiac hypertrophy: from models to measurements and back again	Riwaka Room
2.00pm-2.30pm	Renee Miller <i>Department of Anatomy and Medical Imaging, University of Auckland, NZ</i> A method for estimating anisotropic cardiac stiffness non-invasively	Riwaka Room
2.30pm – 3.00pm	Kim Mellor <i>Department of Physiology, Auckland Bioengineering Institute The University of Auckland</i> Bioenergetics of the diseased heart	Riwaka Room
3.00pm-3.30pm	Kenneth Tran <i>Auckland Bioengineering Institute The University of Auckland</i> Regulation of cardiac cellular bioenergetics	Riwaka Room
3.30pm-4.00pm	Afternoon tea	Maitai 1
Time	Hypothalamic dysfunction in cardiovascular disease Chaired by Alison Heather	Location
4.00pm – 4.30pm	Colin Brown <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> Contribution of vasopressin neurons to the development of angiotensin-dependent hypertension	Riwaka Room
4.30pm-5.00pm	Daryl Schwenke <i>Department of Physiology, University of Otago, Dunedin, New Zealand</i> Identifying the neural network that triggers sympathetic activation following acute myocardial infarction	Riwaka Room
5.00pm – 5.30pm	Elisabeth Lambert <i>Baker IDI Heart & Diabetes Institute, Melbourne,, Australia</i> Elevated sympathetic tone as an etiological factor of cardiometabolic disease	Riwaka Room
5.30pm-6.00pm	Carolyn Barrett	Riwaka Room

	<i>Department of Physiology, FMHS, University of Auckland</i> Sympathetic innervation of the heart in heart failure: role of the renal nerves	
	Satellite meeting closes	