

<p><b>QRW Programme</b>  <b>Metabolic and Cardiovascular Disease Satellite</b>  Monday 30 August – Tuesday 31 August, 2020  Rydges Hotel, Queenstown, New Zealand</p>
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<b>Monday 30 August</b>		
<b>Time</b>	<b>Details</b>	<b>Location</b>
8:30am - 9:30 am	<b>Mihi whakatau</b>	<b>Queenstown Room</b>
9:30am - 9:45am	<b>Morning Tea</b>	<b>Level 5, Lobby</b>
9:45am – 10:30am	<b>Mihi whakatau continues</b>	<b>Clancy Room</b>
<p><b><u>Introduction to newly funded TEC CoREs.</u></b></p> <p><b>Chaired by Kate Lee (UoA)</b></p>		
10:00am - 10:10am		<b>Queenstown Room</b>
10:10am - 10:35am	<b>Peter Shepherd – MWC CoRE</b> Maurice Wilkins Centre (MWC)	<b>Queenstown Room</b>
10:35am - 11:00am	<b>Anna Rolleston – HHANZ CoRE</b> Healthy Hearts Aotearoa/NZ (HHANZ)	<b>Queenstown Room</b>
<p><b><u>Mechanisms at the intersection of metabolic and cardiovascular disease.</u></b></p> <p><b>Chaired by Anna Rolleston (UoA)</b></p>		
11:00am - 11.15am	<b>MD1 Kim Mellor</b> University of Auckland <i>Novel therapeutic targets for diabetic heart disease.</i>	<b>Queenstown Room</b>
11:15am - 11:30am	<b>MD2 Hamish Aitken-Buck</b> University of Otago <i>Linking epicardial fat to cardio-metabolic disease: evidence from basic research</i>	<b>Queenstown Room</b>
11.30am - 11.45am	<b>MD3 George Chang</b> <i>sponsored by Cytiva</i> University of Auckland <i>The CALCRL receptor: A potential new genetic determinant of diabetic kidney disease in NZ</i>	<b>Queenstown Room</b>
11.45pm - 12.00pm	<b>MD4 Allamanda Faatoese</b> University of Otago, Christchurch <i>From Screening to Intervention: Vitamin C in the Pasifika Heart study</i>	<b>Queenstown Room</b>
12.00pm - 12.15pm	<b>MD5 Rajesh Katare</b> <i>sponsored by Thermo Fisher Scientific</i> University of Otago <i>Modulation of microRNAs - a mechanistic approach for the treatment of diabetic heart disease.</i>	<b>Queenstown Room</b>
12.15pm-2:00pm	<b>1h 45 minutes for Lunch &amp; Posters Session</b>	<b>Level 5 &amp; Trade Area Level 7, Marquee</b>

<b><u>Genetic Drivers of metabolic and cardiovascular disease.</u></b>		
<b>Chaired by Vicky Cameron (UoO)</b>		
2.00pm - 2.15pm	<b>MD6 Troy Merry</b> <i>sponsored by Maurice Wilkins Centre</i> University of Auckland <i>The paradoxical role of IL-6 in cardiometabolic health</i>	<b>Queenstown Room</b>
2.15pm - 2.30pm	<b>MD7 Kate Lee</b> <i>sponsored by Transnetyx</i> University of Auckland <i>CREBRF phenotyping in mouse models</i>	<b>Queenstown Room</b>
2.30pm - 2.45pm	<b>MD8 Greg Jones</b> University of Otago <i>Accelerated DNA Methylation epigenetic age in vascular disease</i>	<b>Queenstown Room</b>
2:45pm – 3:00pm	<b>MD9 Anna Pillbrow</b> <i>sponsored by Thermo Fisher Scientific</i> University of Otago <i>Predicting progression from coronary artery disease to heart failure</i>	<b>Queenstown Room</b>
3:00pm – 3:15pm	<b>MD10 Martin Stiles</b> University of Waikato <i>Cardiac Inherited Disease NZ: Research from a Clinical Registry</i>	<b>Queenstown Room</b>
3:15pm – 4:00pm  Talks from abstracts - <b>Session 1</b>	<b>MD.O1 Anna Gosling</b> University of Auckland <i>Insights into metabolic disease in CHamoru in Guam, Western Micronesia</i>	<b>Queenstown Room</b>
	<b>MD.O2 Randall D'souza</b> University of Auckland <i>Administration of alpha-1-antitrypsin attenuates hepatic steatosis and escalation to non-alcoholic steatohepatitis in mice.</i>	<b>Queenstown Room</b>
	<b>MD.O3 Sally McCormick</b> University of Otago <i>Antidepressants regulate lipoprotein(a) catabolism by macropinocytosis in liver cells</i>	<b>Queenstown Room</b>
	<b>MD.O4 Christopher Hedges</b> University of Auckland <i>Consumption of a small molecule PI3K inhibitor extends lifespan and healthspan of aged mice</i>	<b>Queenstown Room</b>
4.00pm-4:30pm	<b>Afternoon Tea</b>	<b>Level 5 &amp; Trade Area</b>
<b><u>Prevention: Community to Clinic.</u></b>		
<b>Chaired by Troy Merry and Kim Mellor (UoA)</b>		
4.30pm - 4.45pm	<b>MD11 Tamasin Taylor</b> University of Auckland <i>Empowered Pacific-patient populations on the weight-loss surgery pathway</i>	<b>Queenstown Room</b>
4.45pm - 5.00pm	<b>MD12 Conor O'Sullivan</b> <i>sponsored by University of Otago</i> MOKO Foundation / Waharoa ki Te Toi / MWC	<b>Queenstown Room</b>

	<i>Talk Title - TBC</i>	
5:00pm - 5:15pm	<b>MD13 Andrew Reynolds</b> University of Otago <i>Carbohydrates in CVD prevention and management</i>	<b>Queenstown Room</b>
5:15pm – 5:30pm	<b>MD14 Katrina Poppe</b> <i>sponsored by Abacus DX</i> University of Auckland <i>Big data in a small country: why we develop good cardiovascular risk models in NZ</i>	<b>Queenstown Room</b>
5:30pm – 5:45pm	<b>MD15 Rachel Webb</b> University of Auckland /Auckland District Health Board <i>Update on rheumatic fever and rheumatic heart disease research in Aotearoa</i>	<b>Queenstown Room</b>
5:45pm - 6:30pm  Talks from abstracts - <b>Session 2 (Students)</b>	<b>MD.05 Dhananjie Chandrasekera</b> University of Otago <i>A novel protocol for the enrichment of exosomes yield from biological fluids</i>	<b>Queenstown Room</b>
	<b>MD.06 Joscelyn Smith</b> University of Auckland <i>Atrial fibrillation and synaptic plasticity in the intra-cardiac nervous system</i>	<b>Queenstown Room</b>
	<b>MD.07 Marcus Ground</b> University of Otago <i>FGF-2 reverses myofibroblastic activation of diseased valvular interstitial cells</i>	<b>Queenstown Room</b>
	<b>MD.08 Hannah Burden</b> University of Auckland <i>The Māori and Pacific specific Type 2 Diabetes protective gene variant, CREBRF R457Q, is associated with greater early phase insulin response to a glucose stimulus</i>	<b>Queenstown Room</b>
6:30pm - 7:30pm	<b>Evening Social Function</b> <i>sponsored by Millennium Science</i> Drinks and canapes	<b>Level 4, Trade Area</b>
7:30 pm	<b>Dinner at The London</b>	<b>The London</b>

<b>Tuesday 31 August</b>		
<b>Time</b>	<b>Details</b>	<b>Location</b>
<b><u>Maternal and Women's health</u></b>		
<b>Chaired by Dave Grattan (UoO).</b>		
8:45am – 9:00am	<b>MD16 Helen Paterson</b> University of Otago <i>Developing an intervention to optimise gestational weight gain</i>	<b>Queenstown Room</b>
9.00am - 9:15am	<b>MD17 Sharon Ladyman</b> <i>sponsored by Maurice Wilkins Centre</i> University of Otago / MWC	<b>Queenstown Room</b>

	<i>Protective role of a Polynesian-specific variant of the CREBRF gene against gestational diabetes mellitus (GDM): mouse model</i>	
9:15am - 9:30am	<b>MD18 Amio Mokatagaloa Matenga Ikihele</b> University of Auckland <i>Understanding of heart disease and motivation to change among an intergenerational group of Niue women living in Aotearoa.</i>	<b>Queenstown Room</b>
9:30am - 9:45am	<b>MD19 Carolyn Barrett</b> University of Auckland <i>A sex specific risk factor for cardiovascular disease: Preeclampsia and the role of placental extracellular vesicles</i>	<b>Queenstown Room</b>
9:45am - 10:00am	<b>MD20 Rebecca Campbell</b> University of Otago <i>How androgen excess shapes the polycystic ovary syndrome (PCOS)-like brain</i>	<b>Queenstown Roommont</b>
10.00am-10.30am	<b>Morning Tea</b>	<b>Level 5 &amp; Trade Area</b>
<b><u>Renal disease and neural systems.</u></b>		
<b>Chaired by Joanna Montgomery (UoA)</b>		
10.30am - 10.45am	<b>MD21 Fiona McBryde</b> University of Auckland <i>Sympathetic modulation of pressure, flow and capacitance – implications for cardiovascular control</i>	<b>Queenstown Room</b>
10.45am - 11.00am	<b>MD22 Veronica Sanders</b> <i>sponsored by Mediray</i> University of Auckland <i>Using stem cell-derived kidney organoids for disease modelling</i>	<b>Queenstown Room</b>
11:00am - 11:15am	<b>MD23 Mahyar Osanlouy</b> University of Auckland <i>The SPARC DRC: Building a FAIR autonomic nervous system community</i>	<b>Queenstown Room</b>
11.15am - 11.30am	<b>MD24 Evie Templeton</b> <i>sponsored by QIAGEN</i> University of Otago <i>Identifying kidney injury biomarkers in heart failure: challenges and complexities</i>	<b>Queenstown Room</b>
11.30am - 11.45am	<b>MD25 Jasmine Tan</b> ADHB, CMDHB <i>Beyond blood pressure and glucose lowering: SGLT 2 inhibition and diabetes kidney disease</i>	<b>Queenstown Room</b>
11:45pm - 12:00pm	<b>MD26 Annika Winbo</b> <i>sponsored by illumina</i> University of Auckland <i>Neurocardiac aspects of the long QT Syndrome- a sympathetically triggered arrhythmia</i>	<b>Queenstown Room</b>
12:00pm - 12:20pm	<b>MD.O9 Alex Chan</b> University of Auckland <i>Identifying novel mitochondrial derived peptides by utilising natural variations in mtDNA</i>	<b>Queenstown Room</b>
Talks from abstracts -	<b>MD.O10 Valeria Mereacre</b>	<b>Queenstown Room</b>

<b>Session 3 (Students cont.)</b>	University of Otago <i>Phosphorylation of RyR2 by CK2 is anti-arrhythmic.</i>	
12:20pm - 12:30pm	<b>Presentation of Poster and Talks awards</b>	<b>Queenstown Room</b>
12.30pm-1.30pm	<b>Lunch</b>	<b>Level 5 &amp; Trade Area</b>

<b><u>Metabolic disease.</u></b>		
<b>Chaired by Sharon Ladyman (UoO)</b>		
1.30pm - 1.45pm	<b>MD27 Debbie Hay</b> sponsored by Thermo Fisher Scientific University of Otago / MWC <i>Understanding amylin and its receptors for treating obesity and diabetes</i>	<b>Queenstown Room</b>
1.45pm - 2.00pm	<b>MD28 Alex Tups</b> sponsored by Mediray University of Otago <i>Leptin: are we on the wrong track?</i>	<b>Queenstown Room</b>
2.00pm - 2.15pm	<b>MD29 Mohammed Rizwan</b> University of Otago <i>Conditional deletion of beta-catenin in the mediobasal hypothalamus in adult mice leads to impaired glucose tolerance and increased body weight</i>	<b>Queenstown Room</b>
2:15pm – 2:30pm	<b>MD30 Christine Jasoni</b> University of Otago <i>Defining the contributions of maternal obesity to congenital neurological anomalies</i>	<b>Queenstown Room</b>
2:30pm – 2:45pm	<b>MD31 Waruni Dissanayake</b> University of Auckland <i>Catenins regulating the traffick; Role of catenin proteins in the modulation of insulin vesicle trafficking in b-cells</i>	<b>Queenstown Room</b>
2:45pm – 3.00pm	<b>MD32 Rinki Murphy</b> sponsored by Thermo Fisher Scientific University of Auckland / MWC <i>Precision medicine in diabetes</i>	<b>Queenstown Room</b>
3:00pm-3:30pm	<b>Afternoon Tea</b>	<b>Level 5 &amp; Trade Area</b>
<b><u>Arrhythmia</u></b>		
<b>Chaired by Sean Coffey (UoO/Southern DHB)</b>		
3:30pm - 3.45pm	<b>MD33 Joannah Montgomery</b> sponsored by Transnetyx University of Auckland <i>Neural plasticity in the innervation of the heart and its potential role in cardiac arrhythmias</i>	<b>Queenstown Room</b>
3:45pm – 4:00pm	<b>MD34 Dave Jardine</b> Christchurch Hospital <i>Vagal and sympathetic effects on the heart</i>	<b>Queenstown Room</b>
4:00pm – 4:15pm	<b>MD35 Peter Jones</b> University of Otago / MWC <i>Role of calcium in arrhythmias</i>	<b>Queenstown Room</b>

4:15pm – 4:30pm	<b>MD36 James Fisher</b> University of Auckland <i>Autonomic dysfunction, arrhythmic risk and rheumatoid arthritis</i>	<b>Queenstown Room</b>
<b><u>Queenstown Research Week Session</u></b> <i>sponsored by University of Otago</i>		
6.30pm – 7.30pm	<b>Professor Gary Evans, Chief Science Adviser MBIE</b> “The Changing Landscape of Science Funding”	<b>Queenstown &amp; Wakatipu Rm</b>
7.30pm – 9.30pm	<b>Fashionomics</b> <i>sponsored by Thermo Fisher Scientific</i>	<b>Level 4, Trade Area</b>