

## MedSci 2022 Programme at a glance

### Tuesday 30<sup>th</sup> August 2022

4:00 pm – 6:00 pm	<b>Posters</b> <i>sponsored by Abacus DX</i>
6.30 pm – 8.00 pm	Opening: Peter Shepherd, Queenstown Research Week Chair <i>sponsored by University of Otago</i> “The Future of the New Zealand Research System”
8.00 pm – 10.00 pm	Fashionomics <i>sponsored by Thermo Fisher Scientific</i>

### Wednesday 31<sup>st</sup> August 2022

9.00 am – 10.00 am	MedSci Plenary Lecture 1: <b>Prof Michael Baker</b> <i>sponsored by Thermo Fisher Scientific</i> <b>University of Otago, Wellington</b>	
10.00 am – 10.30 am	Morning Tea	
10.30 am – 12.30 pm	Session 1A: <b>PSNZ Bullivant Prize Finalists</b>	Session 1B: <b>Free communications</b>
12.30 pm – 1.30 pm	Lunch and separate <b>PSNZ &amp; MedSciNZ AGMs</b>	
1:30 – 3:30	Session 2A: <b>PSNZ Hubbard Prize Finalists and Early Career Finalists</b>	Session 2B: <b>NZSE Prize Talks</b>
3.30 pm – 4:00 pm	Afternoon Tea	
4.00 pm – 5:00 pm	Session 3A: <b>Free communications</b>	Session 3B: <b>Infoblitz</b>
5.30 pm	MedSci Dinner + Prize-giving, Walter Peak Station Board the TSS Earnslaw boat at the Steamer Wharf at 5.45 (departs at 6.00pm)	

### Thursday 1<sup>st</sup> September 2022

9.00 am – 10.00 am	MedSci Plenary Lecture 2: <b>Prof Leo Cheng</b> <b>University of Auckland</b>	
10.00 am – 10.30 am	Morning Tea	
10.30 am – 12.30 pm	Session 4A: <b>PSNZ: The challenges of improving perinatal care</b>	Session 4B: <b>Free communications and Infoblitz</b>
12.30 pm – 1.30 pm	Lunch and <b>A panellist’s-eye view of grant assessment</b> led by Colin Brown	
1.30 pm – 3.30 pm	Session 5A: <b>PSNZ: Bioelectrical events in muscle contraction</b>	Session 5B: <b>NZSE &amp; CNE: Early (and not so early) life determinants of adult health</b>
3.30 pm – 4.00 pm	Afternoon Tea	
4.00 pm – 5.30 pm	Session 6A: <b>Free communications</b>	Session 6B: <b>NZSE &amp; CNE: Endocrine and Neuroendocrine showcase</b>

<b>Tuesday, August 30<sup>th</sup> 2022</b>	
<b>Poster session</b>	
4.00 pm - 6.00 pm	<b>MedSci posters</b> <i>sponsored by Abacus DX</i> <b>Marquee</b>
6.30 pm – 8.00 pm	<b>Opening: Peter Shepherd, Queenstown Research Week Chair</b> <b>“The Future of the New Zealand Research System”</b> <i>sponsored by University of Otago</i> <b>Queenstown &amp; Wakatipu room</b>
8.00 pm – 10.00 pm	<b>Fashionomics</b> <i>sponsored by Thermo Fisher Scientific</i> <b>Trades Area, Level 4, Rydges Hotel (with drinks)</b>

<b>Wednesday, August 31<sup>st</sup> 2022</b>			
<b>MedSci Plenary Lecture</b> <b>Queenstown &amp; Wakatipu Room w overflow in QT Dart Room</b>			
9.00 am - 10.00 am	<b>Prof Michael Baker (M1)</b> <i>sponsored by Thermo Fisher Scientific</i> <i>The Covid-19 pandemic: What we have learnt, what comes next, and what we can do about it?</i> <b>Chair: Dave Grattan</b>		
10.00 am - 10.30 am	<b>Morning Tea: Trade Exhibition Area, Level 4 &amp; Level 5</b>		
10.30 am - 12.30 am	Session 1A: <b>PSNZ Bullivant Prize Finalists</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Rohit Ramchandra & Rajesh Katare	10.30 am - 12.30 am	Session 1B: <b>Free communications – 8 minute talks</b> <b>Room:</b> QT Rees Room w overflow in QT Dart Room <b>Chairs:</b> Tonja Emans & Joon Kim
10.30 am - 10.42 am	<b>1A.1 Bullivant Prize Finalist 1:</b> <b>Shaleka Agrawal (M2)</b> University of Auckland <i>Unravelling the mechanisms underlying the elevated risk of atrial fibrillation in metabolic syndrome</i>	10.30 am - 10.40 am	<b>1B.1 Dr Kate Lee (M12)</b> University of Auckland <i>IGF-II derived vesiculins can drive islet mass expansion in a mouse model of pre-diabetes.</i>
10.42 am - 10.54 am	<b>1A.2 Bullivant Prize Finalist 2:</b> <b>Dhananjie Chandrasekera (M3)</b> University of Otago (Physiology) <i>A novel protocol for the enrichment of exosomes yield from biological fluids</i>	10.40 am - 10.50 am	<b>1B.2 Dr Michael Pankhurst (M13)</b> University of Otago (Anatomy) <i>AMH modulates luteinising hormone secretion during pregnancy in a mouse miscarriage model</i>
10.54 am - 11.06 am	<b>1A.3 Bullivant Prize Finalist 3:</b> <b>Victoria King (M4)</b> University of Auckland <i>Small and squishy: growth restriction in the chronically instrumented fetal sheep</i>	10:50 am – 11:00 am	<b>1B.3 Dr Hollian Phillips (M14)</b> University of Otago <i>Insulin-like growth factor 2, a prolactin target in the subventricular neurogenic niche</i>
11.06 am - 11.18 am	<b>1A.4 Bullivant Prize Finalist 4:</b> <b>Anna Krstic (M5)</b> <i>Increased mitochondrial calcium fluxes compensate for the greater energetic demand in pulmonary artery hypertension</i>	11.00 am – 11.10 am	<b>1B.4 Dr Karl Iremonger (M15)</b> University of Otago <i>Studying the relationship between CRH neuron activity, behaviour, and pulsatile corticosterone secretion.</i>
11.18 am	<b>1A.5 Bullivant Prize Finalist 5:</b> <b>Alice McDouall (M6)</b>	11:10 am – 11:20 am	<b>1B.5 Dr Paul Dockerty (M16)</b> University of Canterbury

	University of Auckland <i>Detrimental effects of slow-rewarming compared with rapid-rewarming after therapeutic hypothermia for ischemic brain injury in near-term fetal sheep</i>		<i>Development of a multi-compartment pharmacokinetic model of methoxyflurane distribution and metabolism following inhalation</i>
11.30 am	<b>1A.6 Bullivant Prize Finalist 6: Sarah McQueen (M7)</b> University of Otago (Physiology) <i>Alpha-ENaC overexpression in MDAMB231 breast cancer cells reduces cell migration and proliferation</i>	11.20 am – 11.30 am	<b>1B.6 Dr Emily Brown (M17)</b> University of Otago (Physiology) <i>Investigation of SARS-CoV-2 spike glycoprotein expression and ENaC function in lung epithelia</i>
11.42 pm	<b>1A.7 Bullivant Prize Finalist 7: Valeria Mereacre (M8)</b> University of Otago (Physiology) <i>Phosphorylation of RyR2 by CK2 is anti-arrhythmic</i>	11:30 am – 11:40 am	<b>1B.7 Victoria Sugrue (M18)</b> University of Otago <i>Male-specific DNA aging and building the Androgen Clock</i>
11.54 pm	<b>1A.8 Bullivant Prize Finalist 8: Christopher Veitch (M9)</b> University of Otago (Physiology) <i>Effects of O-GlcNAcylation in DCM – Acute Modulation of O-GlcNAc in Trabeculae</i>	11.40 am – 11.50 pm	<b>1B.8 Celine Camon (M19)</b> University of Otago <i>Neuronal estrogen signalling in metabolic health and ageing</i>
12.06 pm	<b>1A.9 Bullivant Prize Finalist 9: Ruben Vergara (M10)</b> University of Otago (Physiology) <i>Role of Ryanodine Receptor Clustering in Alzheimer's Disease</i>	11:50 am – 12:00 am	<b>1B.9 Dr Eryn Kwon (M20)</b> Mātai Medical Research Institute <i>MR Imaging biomarker for mild traumatic brain injury- the 'silent epidemic'</i>
12.18 pm	<b>1A.10 Bullivant Prize Finalist 10: Petra White (M11)</b> University of Auckland <i>Utility of EEG and MRI for detection of inflammatory brain injury in the neonatal rat</i>	12.00 pm – 12.10 pm	<b>1B.10 Lauren Watson (M21)</b> Maurice Wilkins Centre <i>Understanding the role of the IL-6 -174 G/C (rs1800795) promoter variant in metabolic responses to exercise</i>
		12.10 pm – 12.20 pm	<b>1B.11 Dr Yuen Hang Liu (M22)</b> The Chinese University Of Hong Kong <i>Effects of pharmacological agents on gastrointestinal pacemaker activity investigated using micro-electrode array</i>
<b>12.30 pm- 1.30 pm</b>	<b>12.30pm PSNZ AGM 1.00pm MedSciNZ AGM</b>	Clancy's Room	
<b>12.30 pm - 1.30 pm</b>	<b>Lunch: Trade Exhibition Area, Level 4 &amp; Level 5, Rydges Hotel</b>		
<b>1:30 - 3.30 pm</b>	Session 2A <b>PSNZ Hubbard Prize &amp; Early Career Researcher Prize Finalists</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Rebecca Campbell & Joanne Davidson		Session 2B <b>NZSE Medi'Ray Oral Finalists</b> <b>Room:</b> QT Rees Room w overflow in QT Dart Room <b>Chairs:</b> Kate Lee & Rosie Brown
1.30 pm – 2.00 pm	<b>2A.1 Hubbard Prize Finalist 1: Kelly Zhou (M23)</b> University of Auckland <i>Persistent cortical and white matter inflammation after therapeutic hypothermia for ischemia in near-term fetal sheep</i>	1.30 pm – 1.45 pm	<b>2B.1: NZSE Medi'Ray Student Oral finalist 1: Chenyun Fang (M27)</b> University of Otago <i>Prolactin receptor-containing POMC neurons in the arcuate nucleus reveal a potential mechanism for prolactin-induced neurogenesis</i>
2.00 pm – 2.30 pm	<b>2A.2: Hubbard Prize Finalist 2: Marco Annandale (M24)</b>	1.45 pm – 2.00 pm	<b>2B.2: NZSE Medi'Ray Student Oral finalist 2: Matt Gillett (M28)</b>

	University of Auckland <i>Cardiac fructose metabolism is a potential therapeutic target for treating diastolic dysfunction in diabetes.</i>		University of Otago <i>Prolactin receptors in the epithelial cells of the intestine influence feeding patterns in pregnancy</i>
		2.00 pm – 2.15 pm	<b>2B.3: NZSE Medi'Ray Student Oral finalist 3: Romy Kerbus (M29)</b> University of Otago (Anatomy) <i>Do androgen actions on AgRP neurons contribute to the PCOS phenotype?</i>
		2.15 pm – 2.30 pm	<b>2B.4: NZSE Medi'Ray Student Oral finalist 4: Chantelle Murrell (M30)</b> University of Otago (Anatomy) <i>Ghrelin-induced food intake is suppressed during pregnancy and restored lactation</i>
2.30 pm – 3.00 pm	<b>2A.3: PSNZ Early-Career Prize Finalist 1: Dr Jui-Lin Fan (M25)</b> University of Auckland <i>Hypoxia enhances lower limb venous compliance in older hypertensive patients</i>	2.30 pm – 2.45 pm	<b>2B.5: NZSE Medi'Ray Student Oral finalist 5: Isaac Tripp (M31)</b> University of Otago (Physiology) <i>Investigating the role of CRH neurons in the selection of defensive behaviours.</i>
		2.45 pm – 3.00 pm	<b>2B.6 NZSE Medi'Ray Student Oral finalist 6: Yiran Zhou (M32)</b> University of Otago <i>Anti-Müllerian hormone-mediated preantral follicle atresia is a key determinant of antral follicle counts in mice</i>
3.00 pm - 3.30 pm	<b>2A.4: PSNZ Early-Career Prize Finalist 2: Dr Julia Shanks (M26)</b> University of Auckland <i>Cardiac parasympathetic activity has a vital role in maintaining coronary artery blood flow during exercise</i>	3.00 pm – 3.30 pm	<b>2B.7 NZSE Emerging Researcher talk Teodora Georgescu (M33)</b> University of Otago <i>Preparing for motherhood: from maternal behaviours to temperature regulation</i>
3.30 pm - 4.00 pm	<b>Coffee Break: Trade Exhibition Area, Level 4 &amp; Level 5 Rydges Hotel</b>		
4.00 – 5:00 pm	<b>Session 3A</b> <b>Free communications</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Shane Ohline & Mickey Fan	4.00 pm - 5.00 pm	<b>Session 3B:</b> <b>Infoblitz</b> <b>Room:</b> QT Rees Room w overflow in QT Dart Room <b>Chairs:</b> Zoe Ashley & Haruna Suzuki-Kerr
4.00 pm – 4.10 pm	<b>3A.1: Dr David Crossman (M34)</b> University of Auckland <i>Calcium handling in cardiomyocytes isolated from Collagen VI knockout rat hearts</i>	4.00 pm – 4.15 pm	<b>3B.1: Sue An Mah (M40)</b> University Of Auckland (ABI) <i>GiMOTi: Digital Pathology Image Analysis for Gastrointestinal Motility Disorders</i>
4.10 pm – 4.20 pm	<b>3A.2: Dr Robyn May (M35)</b> University Of Auckland (ABI) <i>A computational model to identify cardiovascular remodelling related to prematurity and predict cardiovascular risk in later life</i>		<b>3B.2: Rory McGregor (M41)</b> University of Otago (Physiology) <i>The Role of the Epithelial Sodium Channel in Breast and Ovarian Cancer</i>
4.20 pm - 4.30 pm	<b>3A.3: Dr Tonja Emans (M36)</b> University of Auckland		<b>3B.3: Rishi Shah (M42)</b> University of Otago <i>Differential regulation of microRNAs associated with COPD in smokers</i>

	<i>The Forgotten Circulation: Sympathetic control of mesenteric venous capacity in conscious hypertensive rats.</i>		
4.30 pm - 4.40 pm	<b>3A.4 Dr Mridula Pachen (M37)</b> University of Auckland <i>Effect of high nasal flow in conscious normotensive and hypertensive sheep</i>	4.15 pm - 4.30 pm	<b>3B.4: Duncan Bakke (M43)</b> University Of Auckland (ABI) <i>Altered peak ankle power and symmetry via haptic biofeedback for the purpose of stroke rehabilitation</i>  <b>3B.5: Olivia Gold (M44)</b> University of Auckland <i>Components underlying synaptic plasticity in the carotid body</i>  <b>3B.6: Alexander Chan (M45)</b> University of Auckland <i>Electrophysiological response to localised gastric distension in pigs</i>
4.40 pm – 4.50 pm	<b>3A.5: R.H.K. Emanuel (M38)</b> University of Canterbury <i>Machine Learning Exploration of Weight and Mental Health in PCOS</i>	4.30 pm – 4.45 pm	<b>3B.7: Elena Cruz (M46)</b> University of Otago (Physiology) <i>How the ratio of RyR2 and CSQ2 play a role in pro-arrhythmogenic Ca<sup>2+</sup> Release</i>  <b>3B.8: Phoebe Adler (M47)</b> University of Otago (Physiology) <i>Epithelial sodium channel regulation of vasopressin neuron activity</i>  <b>3B.9: Sarah Yap (M48)</b> University of Otago (Physiology) <i>Sex differences in arrhythmias in response to nitric oxide signaling</i>
4.50 pm – 5.00 pm	<b>3A.6: Dr Hamid Abbasi (M39)</b> University Of Auckland <i>Automated Infant Movement Tracking for Early Diagnosis of Neurodevelopmental Disorders using Deep-Learning</i>	4.45 pm	<b>3B.10: Shan Su (M49)</b> University Of Auckland <i>A Mathematical Model of the Salivary Gland Duct Cells</i>  <b>3B.11: Etelini Roberts (M)</b> University of Otago (Physiology) <i>Can loss of a ‘hunger’ hormone increase cardiovascular disease in Pacific people?</i>  <b>M551 spare</b>
<b>5.30 pm</b>	<b>MedSci Dinner + Prize-giving</b> , Walter Peak Station Board the TSS Earnslaw boat at the Steamer Wharf at 5.45 (departs at 6.00pm) <i>sponsored by Mediray</i>		

<b>Thursday September 1<sup>st</sup> 2022</b>	
<b>MedSci Plenary Lecture</b>	
<b>Queenstown &amp; Wakatipu Room w overflow in QT Dart Room</b>	
<b>9.00 am</b>	<b>Prof Leo Cheng (M52)</b>

- 10.00 am	<p align="center"><i>Origin and Propagation of Slow Wave Activity in the Gastrointestinal Tract: A Bioengineering Perspective</i></p> <p align="center"><b>Chair:</b> Peng Du <b>PSNZ sponsored</b></p>		
10.00 am - 10.30 am	<b>Morning Tea: Trade Exhibition Area, Level 4 &amp; Level 5</b>		
10.30 am - 12.30 pm	<p><b>Symposium 4A (PSNZ): The challenges of improving perinatal care</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Simerdeep Dhillon &amp; Joanne Davidson</p>	10.30 am - 12.30 pm	<p><b>Session 4B: Infoblitz and Free Communications</b> <b>Room:</b> QT Rees Room w overflow in QT Dart Room <b>Chairs:</b> Helen Waddell &amp; Teena Gamage</p>
10.30 am - 11.00 am	<p><b>4A.1: Malcolm Battin (M53)</b> <i>sponsored by Bio-Strategy Ltd</i> Auckland District Health Board <i>Neonatal Encephalopathy in New Zealand: What have we learnt and what are the challenges?</i></p>	10.30 am - 10.45 am	<p><b>4B.1: Elliot Sibbles (M57)</b> University of Otago (Physiology) <i>Determining the functional effect of CSQ2 glycosylation on calcium-handling and heart failure</i></p> <p><b>4B.2: Nikita Ghosh (M58)</b> University of Auckland <i>Understanding sex differences in spinopelvic parameters for pre-surgery planning</i></p> <p><b>4B.3: Nynke Berber Rooks (M59)</b> University of Auckland (ABI) <i>The higher risk of knee ligament injuries in females compared to males could be due to knee morphology</i></p>
		10.45 am - 11.00 am	<p><b>4B.4: Sam Simmonds (M60)</b> University of Auckland (ABI) <i>Anatomically-specific, 3D-printed cradles enable in vivo mapping of the bioelectrical slow wave activation across the gastrointestinal junction</i></p> <p><b>4B.5: Adeline Chau (M61)</b> University of Otago (Physiology) <i>miRNA-138 as a novel therapeutic target for cardiac autonomic neuropathy in diabetes</i></p> <p><b>4B.6: Mahdi Heidarian (M62)</b> Institute of Biomedical Technologies, AUT <i>Investigating the effect of hair in electroencephalogram (EEG) acquisition</i></p>
11.00 am - 11.30 am	<p><b>4A.2: Alys Clark (M54)</b> University of Auckland (ABI) <i>Can new imaging and computational approaches help to identify pregnancies at risk of fetal growth restriction?</i></p>	11.00 am - 11.12 am	<p><b>4B.7: Luis Knight (M63)</b> University of Auckland <i>The xCT knockout mouse: A novel animal model for studying age-related changes in the retina</i></p>
		11.12 am - 11.24 pm	<p><b>4B.8: Dr Recep Avci (M64)</b> University of Auckland <i>Anatomically informed non-invasive assessment of gastric slow waves</i></p>
11.30 am - 12.00 pm	<p><b>4A.3: Simerdeep Dhillon (M55)</b> <i>sponsored by Eppendorf</i> University of Auckland (Physiology) <i>Cerebral oxygenation and metabolism after hypoxic-ischemia: Prognostic marker</i></p>	11.24 am - 11.36 am	<p><b>4B.9: Dr Ana Sayegh (M65)</b> University Of Auckland <i>Central chemoreflex control of ventilation and muscle sympathetic nerve activity in human hypertension</i></p>
		11.36 am - 11.48 am	<p><b>4B.10: Dr NL Lam (M66)</b> University of Canterbury <i>Improving experimental sampling protocol through model identifiability analysis in a PKPD model.</i></p>

		11.48 am – 12.00 am	<b>4B.11: Dr Teena Gamage (M67)</b> University of Auckland <i>Could fetal neural stem cell-derived extracellular vesicles have therapeutic utility in treating preterm brain injury?</i>
12.00 pm - 12.30 pm	<b>4A.4: Joanne Davidson (M56)</b> University of Auckland (Physiology) <i>Mild perinatal hypoxic ischemic brain injury – should we treat it and how?</i>	12.00 pm- 12.15 pm	<b>4B.12: Jamie Paul (M68)</b> University of Otago (Physiology) <i>Developing a zebrafish (<i>Danio rerio</i>) model to study behavioural and neuroendocrine responses to stress</i>  <b>4B.13: Madyson Hintz (M69)</b> University of Otago (Physiology) <i>CK2-mediated hyperphosphorylation of RyR2: Can it protect against cardiac arrhythmia?</i>  <b>4B.14: Audrys Pauza (M70)</b> University of Auckland <i>Transcriptomic exploration of efferent sympathetic innervation of peripheral chemoreceptors in experimental hypertension</i>
		12.15 pm- 12.30 pm	<b>4B.15: Dr JHS Roberts (M71)</b> University of Canterbury <i>Machine learning exploration of weight and mental health in PCOS</i>  <b>4B.16: Sonja Fenton (M72)</b> University of Otago (Physiology) <i>miRNA-138 drives tau protein dysfunction in diabetic cardiac autonomic neuropathy</i>  <b>4B.17: Bri Mitchell (M73)</b> University of Otago (Physiology) <i>Structure and function effects on CaMKII<math>\delta</math> ablation in the diabetic heart</i>
12.30 pm	<b>A panellist's-eye view of grant assessment</b> led by Colin Brown		
12.30 pm - 1.30 pm	<b>Lunch: Trade Exhibition Area, Level 4 &amp; Level 5, Rydges Hotel</b>		
1.30 pm – 3.30 pm	<b>Symposium 5A (PSNZ): Bioelectrical events in muscle contraction</b> <b>Room:</b> Clancys Room, Level 5 <b>Chair:</b> Peng Du & Armen Gharibans	1.30 pm – 3.30 pm	<b>Symposium 5B (CNE &amp; NZSE): Early (and not so early) life determinants of adult health</b> <b>Room:</b> QT Rees Room w overflow in QT Dart Room <b>Chair:</b> Greg Anderson & Mike Garratt
1.30 pm - 2.00 pm	<b>5A.1 Kiara Miller (M74)</b> <i>sponsored by Cytiva</i> University of Auckland <i>Non-invasive high-density surface electromyography maps of swallowing.</i>	1.30 pm - 2.00 pm	<b>5B.1: TBC</b>
2.00 pm - 2.30 pm	<b>5A.2 Jadranka Travas-Sejdic (M75)</b> University of Auckland <i>Applications of conductive polymers in biological recordings</i>	2.00 pm - 2.30 pm	<b>5B.2: Sharon Ladyman (M79)</b> University of Otago <i>Pregnancy influences</i>
2.30 pm - 3.00 pm	<b>5A.3 Yusuf Cakmak (M76)</b> University of Otago <i>Effects of neuromodulation on gastric slow waves validated using high-resolution body-surface mapping</i>	2.30 pm - 3.00 pm	<b>5B.3: Michael Skilton (M80)</b> University of Sydney <i>Maternal and early life nutrition – dual roles as risk factor and prevention strategy</i>

3.00 pm - 3.30 pm	<b>5A.4 John Rudd (M77)</b> Chinese University of Hong Kong <i>Effects of pharmacological agents on gastrointestinal electrophysical investigated using micro-electrode array</i>	3.00 pm - 3.30 pm	<b>5B.4: Mike Garrett (M81)</b> University of Otago (Anatomy) <i>Reproductive influences on health and ageing</i>
<b>3.30 pm - 4.00 pm</b>	<b>Coffee Break: Level 5 Lobby</b>		
<b>4.00pm - 6.00pm</b>	<b>Session 6A: Free communications</b> Room: Clancy's Room, Level 5 Chairs: Adam Ware & Julia Shanks	<b>4.00pm - 6.00pm</b>	<b>Symposium 6B (NZSE &amp; CNE): Endocrine and Neuroendocrine showcase</b> Room: QT Rees Room w overflow in QT Dart Room Chairs: Carolyn Decourt & Greg Anderson
4.00 pm - 4.12 pm	<b>6A.1: Behdad Shaarbafebrahimi (M82)</b> University of Auckland <i>Computed tomography flow intensity mapping in CTEPH</i>	4.00 pm - 4.30 pm	<b>6B.1: Rosie Brown (M90)</b> University of Otago <i>Novel roles for prolactin in fine-tuning maternal responses</i>
4.12 pm - 4.26 pm	<b>6A.2: Matthew Logue (M83)</b> University of Otago (Physiology) <i>The differential role of retromer in the trafficking of the Ca<sup>2+</sup>-activated K<sup>+</sup> channels KCa<sub>2.3</sub> and KCa<sub>3.1</sub></i>		
4.26 pm - 4.38 pm	<b>6A.3: Yourong Feng (M84)</b> University of Auckland <i>Placental Extracellular Vesicles Protect Against Cardiovascular Diseases in Spontaneously Hypertensive Rats</i>	4.30 pm - 5.00 pm	<b>6B.2: Carolyn Decourt (M91)</b> University of Otago <i>Development of long-acting kisspeptin agonists for ovulation induction</i>
	<b>6A.4: Withdrawn (M85)</b>		
4.38 pm - 4.50 pm	<b>6A.5: Dr Sien Yee Lau (M86)</b> University of Auckland <i>Placental extracellular vesicles from early-onset (but not late-onset) preeclampsia produces a pro-constrictive anti-vasodilatory phenotype in maternal resistance arteries</i>	5.00 pm - 5.30 pm	<b>6B.3: Rinki Murphy (M92)</b> <i>sponsored by Maurice Wilkins Centre</i> University of Auckland <i>Weight regulation insights from bariatric surgery</i>
4.50 pm - 5:02 pm	<b>6A.6: Dr Pratik Thakkar (M87)</b> University of Auckland <i>A novel blood sugar signaling mechanism</i>	5:30 pm - 6:00 pm	<b>6B.4: Ryan Paul (M93)</b> University of Waikato <i>Hormonal regulation of sexually dimorphic growth</i>
5.02 pm - 5.14 pm	<b>6A.7: Dr Shane Ohline (M88)</b> University of Otago (Physiology) <i>Altered membrane properties but unchanged intrinsic excitability and spontaneous postsynaptic currents in an aged APP<sup>swe</sup>/PS1<sup>dE9</sup> model of Alzheimer's disease</i>		
5.14 pm - 5.26 pm	<b>6A.8: Dr John Yang (M89)</b> University of Auckland <i>Quantifying transmural cardiomyocyte features in the human right-ventricle</i>		