

# MedSci 2024 Programme at a glance

Sunday 1 <sup>st</sup> September 2024	
4.00pm-6.00pm	<b>MedSci Posters</b> <i>sponsored by Lab Supply NZ</i>
6.30pm-7.30pm	<p><b>Plenary Lecture</b> <i>sponsored by illumina</i></p> <p><b>Opening: Hon Judith Collins</b> Minister Science Innovation and Technology, NZ Government</p> <p><b>QRW Plenary:</b> <b>Prof Jane Harding</b> University of Auckland <i>Why planning a research career is futile but fun</i></p> <p><b>Sir Ashley Bloomfield</b> University of Auckland <i>How does research inform health policy and practice in New Zealand, and how can we do better?</i></p>
7.30pm-9.00pm	Evening Social Function, Trade Area, L4 <i>sponsored by Bio-Strategy</i>

Monday 2 <sup>nd</sup> September 2024			
7.30am-8.00am	<b>Mihi whakatau</b>		
8.15am-9.15am	<p style="text-align: center;"><b>MedSci Plenary Lecture 1</b> <b>Ms Huti Watson</b> Maurice Wilkins Centre <i>Talk title: The Application of Mana Motuhake in Genomic Research</i> Chair: Phil Wilcox, University of Otago</p>		
9.15am-9.30am 9.30am-9.45am 9.45am-10.00am	<p style="text-align: center;"><b>Session 1: Free communications</b> <b>Dr Justin Hardee</b> (University of Melbourne) <b>Dr Ekta Dahiya</b> (Auckland University of Technology) <b>Dr Andrew Bahn</b> (University of Otago)</p>		
10.00am-10.30am	Morning Tea		
10.30am-12.00pm	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>Session 1A: <b>PSNZ Bullivant Prize Finalists</b> Chairs: Assoc. Prof. Regis Lamberts (University of Otago) and Assoc. Prof. Joanne Davidson (University of Auckland)</p> </td> <td style="width: 50%;"> <p>Session 1B: <b>Precision Medicine for Māori by Māori</b> Chairs: Dr Natalie Netzler (University of Auckland) and Mr Conor Watene O'Sullivan (Maurice Wilkins Centre Māori Strategic Framework Kaiārahi, Moko Foundation)</p> </td> </tr> </table>	<p>Session 1A: <b>PSNZ Bullivant Prize Finalists</b> Chairs: Assoc. Prof. Regis Lamberts (University of Otago) and Assoc. Prof. Joanne Davidson (University of Auckland)</p>	<p>Session 1B: <b>Precision Medicine for Māori by Māori</b> Chairs: Dr Natalie Netzler (University of Auckland) and Mr Conor Watene O'Sullivan (Maurice Wilkins Centre Māori Strategic Framework Kaiārahi, Moko Foundation)</p>
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12.00pm-1.30pm	Lunch and Sponsor Talks		
1.30pm-3.30pm	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>Session 2A: <b>PSNZ Hubbard Prize Finalists, Early Career Finalists, and Australian Physiological Society Prize</b> Chairs: Assoc Prof Rohit Ramchandra (University of Auckland) &amp; Professor Rebecca Campbell (University of Otago)</p> </td> <td style="width: 50%;"> <p>Session 2B: <b>NZSE Prize Talks</b> Chair: Professor Greg Anderson &amp; Dr Fay Morland (University of Otago)</p> </td> </tr> </table>	<p>Session 2A: <b>PSNZ Hubbard Prize Finalists, Early Career Finalists, and Australian Physiological Society Prize</b> Chairs: Assoc Prof Rohit Ramchandra (University of Auckland) &amp; Professor Rebecca Campbell (University of Otago)</p>	<p>Session 2B: <b>NZSE Prize Talks</b> Chair: Professor Greg Anderson &amp; Dr Fay Morland (University of Otago)</p>
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3.30pm-4.00pm	Afternoon Tea and Coffee Break		
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6.45pm-11.00pm	<p><b>MedSci Dinner + Prize-giving, Walter Peak Station</b> <i>Sponsored by Thermo Fisher Scientific and Maurice Wilkins Centre</i></p>		

	<p>Ticket only  Board the boat at 6.45pm (departs at 7.00pm)</p> <ul style="list-style-type: none"> <li>- TSS Earnslaw tickets holders board at Steamer Wharf</li> <li>- Spirit of Queenstown tickets holders board at St Omer's Wharf</li> </ul>	
9.00am-10.00am	<b>MedSci Plenary Lecture 2:</b> <b>Professor Neil Spratt</b> University of Newcastle, Australia <b>Talk Title: Enhancing Collateral Blood Flow in Ischemic Stroke</b>	
10.00am-10.30am	Morning Tea	
10.30am-12.00pm	Session 4A: <b>Free communications and Infoblitz</b> Chairs: Dr Joon Kim (University of Otago) and Dr Randall D'Souza (University of Auckland)	Session 4B: <b>Androgen actions in health and disease</b> Chairs: Prof Greg Anderson and Dr Caroline Decourt (University of Otago)
12.00pm-1.30pm	Lunch and Sponsor Talks. PSNZ and MedSci AGMs.	
1.30pm-3.30pm	Session 5A: <b>PSNZ: Intracranial Pressure and Brain Health – New Perspectives</b> Chairs: Prof Julian Paton (University of Auckland) and Prof Neil Spratt (University of Newcastle)	Session 5B: <b>Centre for Neuroendocrinology Brain, Behaviours and Beyond</b> Chairs: Dr Teodora Georgescu and Dr Joe Yip (University of Otago)
3.30pm-4.00pm	Afternoon Tea and Coffee Break	
4.00pm-6.00pm	Session 6A: <b>Investigating heart function: from sub-cellular dynamics to beating hearts</b> Chairs: Assoc Prof Rohit Ramchandra (University of Auckland) and Dr Michelle Munro (University of Otago)	Session 6B: <b>Adaptations to Pregnancy Data and Digital Technology in Healthcare</b> Chairs: Professor Dave Grattan (University of Otago) and Ms Sophie Piesse (University of Auckland)
6.30pm-9.00pm	<b>Fashionomics</b> sponsored by Thermo Fisher Scientific	

<b>Sunday, September 1<sup>st</sup> 2024</b>	
<b>Poster session</b>	
4.00pm-6.00pm	<b>MedSci posters</b> <i>sponsored by Lab Supply NZ</i> <b>Marquee, L7</b> <b>Plenary Lecture</b> <i>sponsored by illumina</i> <b>Opening: Hon Judith Collins</b> Minister Science Innovation and Technology, NZ Government <b>QRW Plenary:</b> <b>Prof Jane Harding</b> University of Auckland <i>Why planning a research career is futile but fun</i> <b>Sir Ashley Bloomfield</b> University of Auckland <i>How does research inform health policy and practice in New Zealand, and how can we do better?</i> <b>Queenstown &amp; Wakatipu room. Live Stream in Clancy's room</b>
6.30pm-7.30pm	
7.30pm-9.00pm	<b>Evening Social Function</b> <i>sponsored by Bio-Strategy</i> <b>Trades Area, Level 4, Rydges Hotel (with drinks)</b>

<b>Monday, September 2<sup>nd</sup> 2024</b>	
<b>MedSci Plenary Lecture 1</b>	
<b>Queenstown &amp; Wakatipu Room</b>	
7:30am-8:00am	<b>Mihi Whakatau</b> <b>Queenstown room, Level 5</b>
8.15am-9.15am	<b>Ms Huti Watson (MS1)</b> The Application of Mana Motuhake in Genomic Research <b>Chair: Phil Wilcox, University of Otago</b>
9.15am-9.30am	<b>Session 1: Free communications (Queenstown room, Level 5)</b> <b>Dr Justin Hardee (MS2)</b> , University of Melbourne <i>Australian Physiological Society Prize</i> Interrogating the biological roles of dystrophin and utrophin in contraction-mediated adaptations to dystrophic skeletal muscle
9.30am-9.45am	<b>Dr Ekta Dahiya (MS3)</b> , Auckland University of Technology <i>Normative Pulse Wave Velocity in Māori and Pasifika Populations: A Feasibility Study</i>
9.45am-10.00am	<b>Dr Andrew Bahn (MS4)</b> , University of Otago <i>Molecular mechanisms of drug-drug interactions in gout treatment</i>
10.00am-10.30am	<b>Morning Tea: Trade Exhibition Area, Level 4</b>

10.30am-12.00am	<b>Session 1A:</b> <b>PSNZ Bullivant Prize Finalists</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Assoc. Prof. Regis Lamberts (University of Otago) and Assoc. Prof. Joanne Davidson (University of Auckland)	10.30am-12.00am	<b>Session 1B:</b> <b>Precision Medicine for Māori by Māori</b> <b>Room:</b> Dart Room, Level 7 <b>Chairs:</b> Dr Dr Natalie Netzler (University of Auckland) and Mr Conor Watene O'Sullivan (Maurice Wilkins Centre Māori Strategic Framework Kaiārahi, Moko Foundation)
10.30am - 10.40am	<b>1A.1 Bullivant Prize Finalist 1:</b> <b>Miss Phoebe Adler (MS5)</b> University of Otago, Physiology <i>The Epithelial Sodium Channel Contributes to Vasopressin Neuron Activity</i>	10.30am-11.00am	<b>1B.1: Assoc. Prof. Phil Wilcox (MS14)</b> University of Otago <i>Genetics-based precision health research with Māori - an overview</i>
10.40am-10.50am	<b>1A.2 Bullivant Prize Finalist 2:</b> <b>Dr Joshua Chang (MS6)</b> University of Auckland, Physiology <i>Effect of sodium-glucose co-transporter 2 inhibition on exercise capacity in heart failure with preserved ejection fraction</i>		
10.50am-11.00am	<b>1A.3 Bullivant Prize Finalist 3:</b> <b>Miss Elena Cruz (MS7)</b> University of Otago, Physiology <i>Dual Site Phosphorylation of Calsequestrin II Decreases Store Overload Induced Calcium Release</i>		
11.00am - 11.10am	<b>1A.4 Bullivant Prize Finalist 4:</b> <b>Miss Hannah Dexter (MS8)</b> University of Auckland, Physiology <i>Protective effects of systemic apigenin infusion in a preterm fetal sheep model of hypoxic-ischemic encephalopathy</i>	11.00am-11.30am	<b>1B.2: Anna Rolleston (MS15)</b> The Centre for Health <i>Enhancing Cardiovascular Disease Risk Prediction with Precision and Equity</i>
11.10am - 11.20am	<b>1A.5 Bullivant Prize Finalist 5:</b> <b>Mr Samuel James (MS9)</b> University of Auckland, Physiology <i>Impaired glycogen-autophagy and lysosomal glucose handling in the diabetic heart</i>		
11.20am-11.30am	<b>1A.6 Bullivant Prize Finalist 6:</b> <b>Miss Sophie Piesse (MS10)</b> University of Auckland, Physiology <i>Enduring impacts of placental extracellular vesicles on the maternal cardiovascular system in spontaneously hypertensive rats</i>	11.30am-11.45am	<b>1B.3: Dr Megan Leask (MS16)</b> University of Otago <i>Novel 'omics and molecular pipelines in zebrafish for precision medicine for and by Māori</i>
11.30am-11.40am	<b>1A.7 Bullivant Prize Finalist 7:</b> <b>Mr Elliot Sibbles (MS11)</b> University of Otago, Physiology <i>Calsequestrin-2 glycosylation does not affect Ca<sup>2+</sup> leak in a non-cardiac cell line</i>	11.45am-12.00pm	<b>1B.4: Dr Kimiora Henare (MS17)</b> University of Auckland <i>A pathway for equitable access to genomics-guided precision oncology</i>
11.40am-11.50am	<b>1A.8 Bullivant Prize Finalist 8:</b> <b>Miss Sryana Sukhdev (MS12)</b> University of Auckland, Physiology <i>Harnessing sodium nitrite to protect the brain following ischemic stroke</i>		
11.50am-12.00pm	<b>1A.9 Bullivant Prize Finalist 9:</b> <b>Mr Harvey Walsh (MS13)</b> University of Auckland, Physiology		

	<i>Effects of interval versus continuous aerobic exercise on cerebrovascular flow-mediated dilatation</i>		
<b>12.00pm - 1.30pm</b>	<b>Lunch: Trade Exhibition Area, Level 4, Rydges Hotel</b> <i>sponsored by Mediray NZ Ltd</i>		
<b>1.30pm- 3.30pm</b>	<p>Session 2A  <b>PSNZ Hubbard &amp; New and Emerging Researcher Prize Finalists</b>  <b>Room:</b> Clancy's Room, Level 5  <b>Chairs:</b> Assoc Prof Rohit Ramchandra (University of Auckland) &amp; Professor Rebecca Campbell (University of Otago)</p>	<b>1.30pm- 3.00pm</b>	<p>Session 2B  <b>NZSE Medi'Ray Best Student Presentation Award - Oral Finalists</b>  <b>Room:</b> Dart Room, Level 7  <b>Chairs:</b> Professor Greg Anderson &amp; Dr Fay Morland (University of Otago)</p>
1.30pm- 1.55pm	<p><b>2A.1 Hubbard Prize Finalist 1:</b>  <b>Ms Celine Camon (MS18)</b>  University of Otago, Centre for Neuroendocrinology  <i>DHED, a brain specific 17-beta estradiol prodrug, affects gonadal steroid receptor expression but not metabolic function in female mice.</i></p>	1.30pm- 1.45pm	<p><b>2B.1: NZSE Student Oral finalist 1:</b>  <b>Miss Shahd Al-Isawi (MS23)</b>  University of Otago, Anatomy  <i>Characterising prolactin receptor expression in the adrenal of dioestrus and lactating mice</i></p>
		1.45pm- 2.00pm	<p><b>2B.2: NZSE Student Oral finalist 2:</b>  <b>Miss Emily Lott (MS24)</b>  University of Otago, Physiology  <i>Androgen signaling in neurons is not required to program reproductive dysfunction in polycystic ovary syndrome-like mice</i></p>
1.55pm- 2.20pm	<p><b>2A.2 Hubbard Prize Finalist 2:</b>  <b>Miss Alice McDouall (MS19)</b>  University of Auckland, Physiology  <i>Perinatal hypoxic ischemic brain injury - optimizing treatment for mild hypoxic ischemic injury</i></p>	2.00pm- 2.15pm	<p><b>2B.3: NZSE Student Oral finalist 3:</b>  <b>Miss Nikkita Murray (MS25)</b>  University of Otago, Physiology  <i>Rescuing maternal behaviour in a mouse model of maternal obesity</i></p>
		2.15pm- 2.30pm	<p><b>2B.4: NZSE Student Oral finalist 4:</b>  <b>Miss Annapoorna Rajan (MS26)</b>  University of Otago, Anatomy  <i>The role of CRTCL1 in reproduction and puberty in a mouse model</i></p>
2.20pm- 2.45pm	<p><b>2A.3 Hubbard Prize Finalist 3:</b>  <b>Mr Michael Plunkett (MS20)</b>  University of Auckland, Physiology  <i>Exertional dyspnoea and exercise limitation in pulmonary arterial hypertension.</i></p>	2.30pm- 2.45pm	<p><b>2B.5: NZSE Student Oral finalist 5:</b>  <b>Mr Andy Stewart (MS27)</b>  University of Otago, Anatomy  <i>Investigating the role of lactogenic hormones in the suppression of fever during late pregnancy</i></p>
		2.45pm- 3.00pm	<p><b>2B.6: NZSE Student Oral finalist 6:</b>  <b>Miss Zsaleya Sword-Tua (MS28)</b>  University of Otago, Anatomy  <i>Halt Hormonal Havoc: Curbing the reproductive axis to manage PCOS in a mouse model</i></p>
2.45pm- 3.10pm	<p><b>2A.4: PSNZ New &amp; Emerging Researcher Prize Finalist 1:</b>  <b>Dr Randall D'Souza (MS21)</b>  University of Auckland, Physiology  <i>Accumulation of cardiac fructose: identifying a novel mechanism for the development of diabetic cardiomyopathy</i></p>	3.00pm- 3.15pm	NZSE AGM
3.10pm- 3.30pm	<p><b>2A.5: PSNZ New &amp; Emerging Researcher Prize Finalist 2:</b>  <b>Dr Pratik Thakkar (MS22)</b>  University of Auckland, Physiology</p>	3.15pm- 3.30pm	

	<i>GLP1 receptor agonist ameliorates high blood pressure and high blood sugar in a novel rat model of "glucotension"</i>		
<b>3.30pm-4.00pm</b>	<b>Coffee Break: Trade Exhibition Area, L4, Rydges Hotel</b>		
<b>4.00pm-5.30pm</b>	<b>Session 3A</b> <b>PSNZ Triennial Medal Lecture</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Professor Laura Bennet (University of Auckland) and Professor Colin Brown (University of Otago)	<b>4.00pm-5.30pm</b>	<b>Session 3B:</b> <b>Student Mini Oral Prize Finalists</b> <b>Room:</b> Dart Room, Level 7 <b>Chairs:</b> Dr Michel Herde (University of Otago) + Dr Mridula Pachen (University of Auckland)
4.00pm-5.30pm	<b>Prof Rebecca Campbell (MS29)</b> <b>University of Otago, Physiology</b> <i>Androgen excess and the female brain: Rewiring our perspectives on polycystic ovary syndrome</i>	4.00pm-4.05pm	<b>Sana Atithi (MS30)</b> University of Otago, Physiology <i>The Role of AgRP Neurons in Mediating Approach or Avoidance Behaviours in a Foraging Task</i>
		4.05pm-4.10pm	<b>Elijah Atta Manu (MS31)</b> University of Otago, Physiology <i>The mechanisms through which <math>\alpha</math>ENaC negatively modulates breast cancer proliferation and metastasis.</i>
		4.10pm-4.15pm	<b>Michael Beacom (MS32)</b> University of Auckland, Physiology <i>Non-linear quantitative EEG measures: Biomarkers for evolving preterm brain injury</i>
		4.15pm-4.20pm	<b>Ollie Beresford (MS33)</b> University of Otago, Physiology <i>Localization of NOX4 in diabetic skeletal muscle.</i>
		4.20pm-4.25pm	<b>Tandia Gooch (MS34)</b> University of Otago, Physiology <i>Saliva Swabs: A Game-Changer for Concussion Diagnosis and Management</i>
		4.25pm-4.30pm	<b>Thomas Grayson (MS35)</b> University of Otago, Physiology <i>The Impact of Biological Sex on Cardiac Fibrosis and its Treatment</i>
		4.30pm-4.35pm	<b>Ella Keaney (MS36)</b> University of Otago, Physiology <i>Sex Differences in Human Myocardial Function</i>
		4.35pm-4.40pm	<b>Victoria King (MS37)</b> University of Auckland, Physiology <i>Looking for trouble: searching for potential biomarkers of fetal distress in a new model of fetal growth restriction</i>
		4.40pm-4.45pm	<b>Andrew Langdon (MS38)</b> University of Otago, Physiology <i>Role of CK2 Phosphorylation of RyR2 on Post-Myocardial Infarct Complications</i>
		4.45pm-4.50pm	<b>Masahiro Nakao (MS39)</b> University of Auckland, Physiology <i>Evolution of cerebellar injury after severe hypoxia-ischemia in preterm fetal sheep</i>

		4.50pm-4.55pm	<b>Lijo Varghese (MS40)</b> University of Otago, Physiology <i>Understanding the role of microRNAs in cardiac ageing</i>
		4.55pm-5.00pm	<b>Anna-Catharina Veer (M41)</b> University of Otago, Physiology <i><math>\Delta N</math>-TRPV1 Regulation of Magnocellular Vasopressin Neuron Activity</i>
		5.00pm-5.05pm	<b>Chaveeka Weerakoon (MS42)</b> Auckland Bioengineering Institute <i>Close loop pacing of stomach slow wave activity</i>
		5.05pm-5.10pm	<b>Kai Woolf (MS43)</b> University of Otago, Physiology <i>The role of hypothalamic CRH neurons in chronic stress induced physiological dysfunctions</i>
<b>6.45pm-11.00pm</b>	<p align="center"><b>MedSci Dinner + Prize-giving, Walter Peak Station</b> Sponsored by Thermo Fisher Scientific and Maurice Wilkins Centre Ticket only</p> <p>Board the boat at 6.45pm (departs at 7.00pm)</p> <ul style="list-style-type: none"> <li>- TSS Earnslaw tickets holders board at Steamer Wharf</li> <li>- Spirit of Queenstown tickets holders board at St Omer's Wharf</li> </ul>		

<b>Tuesday, September 2<sup>nd</sup> 2024</b>			
<b>MedSci Plenary Lecture Queenstown &amp; Wakatipu Room</b>			
<b>9.00am- 10.00am</b>	<b>Professor Neil Spratt (MS44)</b> <b>University of Newcastle</b> <b>Talk Title: Enhancing Collateral Blood Flow in Ischemic Stroke</b> <b>Chair: Prof Julian Paton</b>		
<b>10.00am- 10.30am</b>	<b>Morning Tea: Trade Exhibition Area, Level 4</b>		
<b>10.30am- 12.00pm</b>	<b>Symposium 4A: Free Communications</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Dr Joon Kim (University of Otago) and Dr Randall D'Souza (University of Auckland)	<b>10.30am- 12.30pm</b>	<b>Symposium 4B: Androgen actions in health and disease</b> <b>Room:</b> Dart Room, Level 7 <b>Chairs:</b> Professor Greg Anderson and Dr Caroline Decourt (University of Otago)
10.30am- 10.45am	<b>4A.1: Aline Boer (MS45)</b> University of Otago <i>Control of energy balance by hypothalamic and hindbrain GIP receptors</i>	10.30am- 11.00am	<b>4B.1: Dr Maritza Farrant (MS50)</b> Te Whatu Ora <i>Role of androgens in menopause</i>
10.45am- 11.00am	<b>4A.2: Jim Loehr (MS46)</b> University of Otago <i>Inhibition of Nox4-dependent ROS improves pathology in dystrophic muscle</i>		
11.00am- 11.15am	<b>4A.3: Tet Chuan (Lee MS47)</b> Auckland University of Technology <i>Predicting shear stress experienced by the placental surface in fetal growth restriction</i>	11.00am- 11.30am	<b>4B.2: Dr Victoria Sugrue (MS51)</b> <i>sponsored by AGRF - Australian Genome Research Facility</i> University of Otago <i>Androgen-dependent effects on epigenetic aging based on DNA methylation at androgen-regulated loci</i>
11.15am- 11.30am	<b>4A.4: Audrys Pauza (MS48)</b> University of Auckland <i>Expanding the metabolic niche of arterial chemosensation</i>		
11.30am- 11.45pm	<b>4A.5: Karl Iremonger (MS49)</b> University of Otago <i>Direct modulation of CRH nerve terminal function by noradrenaline and corticosterone</i>	11.30am- 12.00pm	<b>4B.3: Prof David Handelsman (MS52)</b> <i>sponsored by MedChemExpress</i> University of Sydney <i>Androgens in Sports Endocrinology: anti-doping &amp; gender eligibility implications</i>
<b>12.00pm - 1.30pm</b>	<b>Lunch: Trade Exhibition Area, Level 4, Rydges Hotel</b> <b>PSNZ AGM 12:15pm-1.00pm &amp; MedSci AGM 1.00pm-1.30pm Clancy's room, Level 5</b>		
<b>1.30pm- 3.30pm</b>	<b>Symposium 5A: Intracranial Pressure and Brain Health – New Perspectives</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Prof Julian Paton (University of Auckland) & Prof Neil Spratt (University of Newcastle)	<b>1.30pm- 3.30pm</b>	<b>Symposium 5B: Centre for Neuroendocrinology Brain: Behaviours and Beyond</b> <b>Room:</b> Dart Room, Level 7 <b>Chairs:</b> Dr Teodora Georgescu and Dr Joe Yip (University of Otago)



1.30pm-2.00pm	<b>5A.1 Dr Fiona McBryde (MS53)</b> University of Auckland <i>Feeling the Pressure – Intracranial pressure, blood pressure and sympathetic drive in health and disease</i>	1.30pm-2.00pm	<b>5B.1: Dr Jenny Hamilton (MS57)</b> University of Canterbury <i>Modulation of thalamocortical pathways during decision-making</i>
2.00pm-2.30pm	<b>5A.2 Dr Sarah-Jane Guild (MS54)</b> Auckland Bioengineering Institute/University of Auckland <i>Towards long-term intracranial pressure monitoring in hydrocephalus – A Translational Journey</i>	2.00pm-2.30pm	<b>5B.2: Dr Jamie McQuillan (MS58)</b> University of Otago <i>Transitioning from hostility to caring: Defining a dopamine related neural signature of paternal behaviour in mice</i>
2.30pm-3.00pm	<b>5A.3 Dr Gonzalo Maso Talou (MS55)</b> Auckland Bioengineering Institute <i>A novel model-based approach to characterise intracranial pressure from MRI</i>	2.30pm-3.00pm	<b>5B.3: Claire Feetham (MS59)</b> University of Manchester, UK <i>GPR10 signalling has an important role in energy balance and cardiovascular regulation</i>
3.00pm-3.30pm	<b>5A.4 Dr Alona Ben Tal (MS56)</b> Insightful Modelling <i>Mathematical modelling of intracranial pressure and its influence on the cardiovascular system</i>	3.00pm-3.30pm	<b>5B.4: Dr Erin Campbell (MS60)</b> University of Newcastle, Australia <i>Hypothalamic mechanisms of chronic stress and motivational drive</i>
3.30 pm - 4.00 pm	<b>Coffee Break: Trade Exhibition Area, L4, Rydges Hotel</b>		
4.00pm - 6.00pm	<b>Session 6A: Investigating heart function: from sub-cellular dynamics to beating hearts</b> <b>Room:</b> Clancy's Room, Level 5 <b>Chairs:</b> Assoc Prof Rohit Ramchandra (University of Auckland) and Michelle Munro (University of Otago)	4.00pm - 6.00pm	<b>Symposium 6B: Adaptions to Pregnancy and Free Communications</b> <b>Room:</b> Dart Room, Level 7 <b>Chairs:</b> Prof David Grattan (University of Otago) & Ms Sophie Piesse (University of Auckland)
4.00pm-4.30pm	<b>6A.1: Dr Charles Cox (MS61)</b> Victor Chang Cardiac Research Institute. <i>Novel ways to manipulate the mechanosensitive Piezo1 channel</i>	4.00pm-4.30pm	<b>6B.1: Dr Sandy Lau (MS65)</b> University of Auckland <i>Placental extracellular vesicles modulate future cardiovascular disease risk</i>
4.30pm-5.00pm	<b>6B.2: Dr Michelle Munro (MS62)</b> University of Otago <i>The role of caldesmon in modulation of cardiac arrhythmias</i>	4.30pm-5.00pm	<b>6B.2: Dr Teo Georgescu (MS66)</b> University of Otago <i>Investigating the role of prolactin in pregnancy-associated thermoregulatory changes</i>
5.00pm-5.30pm	<b>6B.3: Dr Mridula Pachen (MS63)</b> University of Auckland <i>Addressing the enigma of treating heart failure with preserved ejection fraction with P2X3 receptor antagonism</i>	5.00pm-5.30pm	<b>6B.3: Dr Alys Clark (MS67)</b> University of Auckland <i>The impact of the placenta on the biomechanics of the fetal cardiovascular system in growth restricted pregnancies</i>
5.30pm-6.00pm	<b>6B.4: Dr Nicola Scott (MS64)</b> University of Otago - Canterbury <i>The role of phosphodiesterase-9 inhibition in treatment of heart failure</i>	5.30pm-5.45pm	<b>6B.4: Free Communication.</b> <b>Dr Kelly Zhou (MS68)</b> University of Auckland <i>The role of hemichannels and the purinergic system in hypoxic-ischemic brain injury in term-equivalent sheep</i>

		5.45pm-6.00pm	<b>6B.5: Free Communication</b> <b>Dr Fay Morland (MS69)</b> University of Otago, Anatomy <i>The cost of sex: how exposure to seminal fluid impacts female mice</i>
6.30pm-9.00pm	<b>Fashionomics</b> sponsored by Thermo Fisher Scientific		