

QMB Programme

Sunday 1 September – Tuesday 3 September 2024
Rydges Hotel, Queenstown, New Zealand

Sunday 1 September

Time	Details	Location
Queenstown Research Week Session <i>sponsored by illumina</i>		
6.30pm-6.40pm	Intro to QRW and Hon Judith Collins	Queenstown & Wakatipu room, live stream Clancy's, L5
6.40pm-7.00pm	Conference Opening Hon Judith Collins Minister Science Innovation and Technology, NZ Government	Queenstown & Wakatipu room, live stream Clancy's, L5
7.00pm-7.40pm	QRW Plenary: Prof Jane Harding University of Auckland <i>Why planning a research career is futile but fun</i>	Queenstown & Wakatipu room, live stream Clancy's, L5
7.40pm-8.20pm	QRW Plenary: Prof Sir Ashley Bloomfield University of Auckland <i>How does research inform health policy and practice in New Zealand, and how can we do better?</i>	Queenstown & Wakatipu room, live stream Clancy's, L5
8.30pm-9.30pm	Evening Social Function <i>sponsored by Bio-Strategy</i>	Trade Area, L4

Monday 2 September

Time	Details	Location
Session 1: Innovative Approaches in Molecular & Health Sciences Chaired by Christoph Goebel (University of Otago)		
7.30am-8.00am	Mihi Whakatau	Queenstown & Wakatipu room, L5
8.05am-8.10am	Welcome and Introduction: Christoph Goebel	Clancy's room, L5
8.10am-8.35am	Fei Sun (Q1) Guangzhou Institutes of Biomedicine and Health <i>In situ structural biology by cryo-electron tomography</i>	Clancy's room, L5
8.35am-8.55am	John Fisher (Q2) University of Maryland <i>3D Printing to Engineer Gynecological Tissues</i>	Clancy's room, L5
8.55am-9.20am	Archa Fox (Q3) University of Western Australia <i>Challenges and opportunities in RNA therapeutics: spotlight on cancer</i>	Clancy's room, L5

9.20am- 9.40am	Daan van Aalten (Q4) Aarhus University <i>Models and mechanisms of O-GlcNAc transferase intellectual disability</i>	Clancy's room, L5
9.40am-10.00am	Jaydee Cabral (Q5) University Of Otago <i>3D printing in medicine: regeneration & medical devices</i>	Clancy's room, L5
10.00am-10.30am	Morning Tea	Trade Area, L4
Session 2: Redox biology and therapeutics Chaired by Christoph Goebel (University of Otago)		
10.30am-10:55am	Paul Witting (Q6) University of Sydney <i>Dietary supplementation of male mice with inorganic, organic or nanoparticle selenium preparations: a comparison of metabolic activity and fertility parameters</i>	Queenstown room, L5
10.55am-11.15am	Vanessa Morris (Q7) University of Canterbury <i>Redox-controlled amyloid formation and disassembly of the tumour suppressor protein p16</i>	Queenstown room, L5
11.15am-11.40am	Mark Hampton (Q8) University of Otago <i>One ring to rule them all: redox biology and the emergence of novel therapeutic strategies</i>	Queenstown room, L5
11.40am-12.00pm	Matthew McNeil (Q9) University of Otago <i>Genome wide essentiality screens to define therapeutic vulnerabilities in an isoniazid-resistant catalase mutant of Mycobacterium tuberculosis</i>	Queenstown room, L5
12.00pm-1.30pm	Lunch	Trade Area, L4
Session 3: Infectious diseases: new drugs and vaccines Chaired by Shaun Lott (University of Auckland)		
1.30pm-2.00pm	Tianyu Zhang (Q10) Guangzhou Institutes of Biomedicine and Health <i>Discovery of antimycobacterial drugs and regimens in GIBH</i>	Queenstown room, L5
2.00pm-2.30pm	Hamish Sutherland (Q11) University of Auckland <i>Building a better Bedaquiline, development of TBAJ-587 and TBAJ-876.</i>	Queenstown room, L5
2.30pm-3.00pm	Nikki Moreland (Q12) <i>sponsored by Mediray NZ Ltd</i> University of Auckland <i>Where did all the antibodies go? Exploring the biological basis of immunity gaps to endemic respiratory pathogens following Covid-19 restrictions in Aotearoa New Zealand</i>	Queenstown room, L5

3.00pm-3.30pm	Colm Carraher (Q14) Scientian Bio Ltd & Plant and Food Research <i>Biosensing of tuberculosis volatile biomarkers using insect odorant receptors</i>	Queenstown room, L5
3.30pm-4.00pm	Afternoon Tea and Coffee Break	Trade Area, L4
4.00pm-5.30pm	Poster Session <i>sponsored by Mediscope International Limited</i>	Marquee, L7
6.45pm-11.00pm	QMB & MedSci Dinner, Walter Peak Station: Ticket only <i>Sponsored by Thermo Fisher Scientific and Maurice Wilkins Centre</i> Board the boat at 6.45pm (departs at 7.00pm) <ul style="list-style-type: none"> - TSS Earnslaw tickets holders board at Steamer Wharf - Spirit of Queenstown tickets holders board at St Omer's Wharf 	

Tuesday 3 September		
Time	Details	Location
<u>Molecular Biology for Climate Solutions 1 - Reducing biogenic emissions</u> Chaired by Sofia Khanum and Björn Oback (AgResearch)		
8.00am-8.30am	Phil Pope (Q15) Queensland University of Technology (QUT) <i>Reconstructing complex gut microbiomes in the "-ome" era</i>	Clancy's room, L5
8.30am-8.50am	Sofia Khanum (Q16) AgResearch <i>Antibody binding to rumen methanogens is not a hurdle for development of an anti-methanogen vaccine</i>	Clancy's room, L5
8.50am-9.10am	Stefan Muetzel (Q17) AgResearch <i>Rumen methanogen inhibitors</i>	Clancy's room, L5
9.10am-9.30am	Marissa Roldan (Q18) AgResearch <i>Condensed tannins in grazed pastures: Mitigating greenhouse gas emissions and boosting animal health</i>	Clancy's room, L5
9.30am-10.00am	Chris Greening (Q19) Monash University <i>Modulating hydrogen flow to reduce emissions and increase productivity of ruminants</i>	Clancy's room, L5
10.00am-10.30am	Morning Tea	Trade Area, L4
<u>Molecular Biology for Climate Solutions 2 - Climate-smart breeding</u> Chaired by Björn Oback (AgResearch, University of Waikato & Auckland)		
10.30am-10.55am	Suzanne Rowe (Q20) AgResearch <i>Using molecular phenotypes to meet global emissions targets in ruminant livestock</i>	Queenstown room, L5
10.55am-11.20am	Lorna McNaughton (Q21) <i>sponsored by Decode Science</i> Livestock Improvement Corporation <i>Breeding as a tool for reduced methane emissions in dairy cattle</i>	Queenstown room, L5

11.20am-11.40am	Jane Symonds (Q212) Cawthron Institute <i>Fast-tracking climate change adaptation in farmed Chinook salmon</i>	Queenstown room, L5
11.40am-12.00pm	Andrew Allan (Q23) <i>sponsored by Novogene</i> Plant and Food Research, University of Auckland <i>The climate crisis, and its effect on perennial plants, requires the use of new breeding technologies</i>	Queenstown room, L5
12.00pm-1.30pm	Lunch	Trade Area, L4
Lab on Chip Chaired by Jan Powell (ESR)		
1.30pm-2.00pm	Jan Powell (Q24) <i>sponsored by Eppendorf South Pacific</i> The Institute of Environmental Science and Research <i>Human organ-on-a-chip: Advanced next-generation in vitro cell models</i>	Queenstown room, L5
2.00pm-2.30pm	Renwick Dobson (Q245) <i>sponsored by Decode Science</i> University of Canterbury <i>Developing Capillary Microfluidics for Commercial Applications</i>	Queenstown room, L5
2.30pm-3.00pm	Volker Nock (Q26) University Of Canterbury <i>Lab-on-a-Chip devices for biomechanical studies on living cells</i>	Queenstown room, L5
3.00pm-3.30pm	Alistair Stewart (Q27) University of Melbourne <i>Drug discovery and development in the post FDA modernisation act 2.0/3.0 era</i>	Queenstown room, L5

3.30pm-4.00pm	Afternoon Tea and Coffee Break	Trade Area, L4
Awards presentation Chaired by Andrew Shelling (University of Auckland)		
4.00pm-4.20pm	Samarth (Q28) <i>sponsored by Illumina</i> Plant and Food Research <i>Unveiling novel genetic pathways in non-model plants through advanced sequencing technologies</i>	Queenstown room, L5
4.20pm-4.45pm	Alan Cameron (Q29) <i>sponsored by Thermo Fisher Scientific</i> University of Auckland <i>New Strategies to Modify Peptide Scaffolds and Selectively Target Pathogenic Bacteria</i>	Queenstown room, L5
4.45pm-5.45pm	AGM & Conference close	Queenstown room, L5
6.30pm-9.00pm	Fashionomics <i>sponsored by Thermo Fisher Scientific</i>	Trade Area, L4