

QRW Programme

Webster Centre for Infectious Diseases Satellite Meeting

Monday 29 August – Tuesday 30 August, 2022

Rydges Hotel, Queenstown, New Zealand

Monday 29 August

Time	Details	Location
8.30am – 10:30am	Mihi Whakatau	Queenstown Rm
10:30-11:00am	Morning Tea	Reds Bar
Session 1: Science & Policy Chaired by Matt McNeil and Joanna Hicks.		
11.00am-11.20am	Te Pora Thompson & Nigel French Co-Directors of Infectious Disease Research Platform	Clancy's Rm
11:20am – 11:50am	Juliet Gerrard Prime Minister's Chief Science Advisor <i>Kotahitanga: Uniting against Infectious Diseases and antimicrobial resistance</i>	Clancy's Rm
11:50am – 12:20pm	Ayesha Verrall Minister for COVID-19 Response, Minister for Research, Science and Innovation, Minister for Seniors and Associate Minister of Health	Clancy's Rm
12:20pm – 12:40pm	Mike Bunce ID1 <i>sponsored by illumina</i> Institute of Environmental Science and Research <i>Germs & Genomics: Lessons learnt, unexpected connections and future pathways</i>	Clancy's Rm
12:40pm-1:00pm	Willy-John Martin ID2 <i>sponsored by Thermo Fisher Scientific</i> Ministry of Business, Innovation and Employment <i>Vision Mātauranga and Research, Science and Innovation.</i>	Clancy's Rm
1:00pm – 2:00pm	Lunch	Trade Area
Session 2: Host Pathogen Interactions Chaired by: Nikki Moreland		
2:00pm – 2:25pm	Alana Whitcombe ID3 University of Auckland <i>Multi-antigen analysis of StrepA antibody responses reveals a distinct serological profile in children with acute rheumatic fever and sheds light on disease pathogenesis</i>	Clancy's Rm
2:25pm -2:50pm	Keith Ireton ID4 University of Otago <i>The bacterial pathogens Listeria monocytogenes and Shigella flexneri exploit host exocytosis to promote cell-to-cell spread</i>	Clancy's Rm
2:50pm -3:10pm	Joanna MacKichan ID5 <i>sponsored by New England BioLabs</i> Victoria University of Wellington <i>A Neisseria meningitidis iron acquisition protein acts as an adhesin and inhibits host cell wound repair</i>	Clancy's Rm
3:10pm – 3:30pm	Jane Allison ID6 <i>sponsored by Abcam</i> University of Auckland <i>Novel insights into the structure and function of dengue virus NS1 protein</i>	Clancy's Rm

3:30pm – 4:00pm	Afternoon Tea	Trade Area
<u>Session 3: Pathogen Genomics, Surveillance and Disease Control</u> Supported by Genomics Aotearoa Chaired by: Adele Williamson		
4:00pm – 4:20 pm	Nigel French ID7 Infectious Disease Research Platform Co-Director Massey University <i>Application of genomic epidemiology and evolutionary modelling for the control of human, animal and environmental pathogens in Aotearoa New Zealand</i>	Clancy's Rm
4:20pm – 4:40pm	James Hadfield ID8 <i>sponsored by Beckman Coulter Life Sciences</i> Fred Hutchinson Cancer Research Centre <i>Tracking SARS-CoV-2 spread and evolution through genomic sequencing</i>	Clancy's Rm
4.40pm – 6:00 pm	Poster Session	L7 Marquee
7:30pm onwards	Dinner at Winnies	Winnies Gourmet Pizza Bar

Tuesday 30 August		
Time	Details	Location
<u>Session 4: Pathogen Genomics, Surveillance and Disease Control</u> Supported by Genomics Aotearoa Chaired by: Mike Bunce		
8:30am-8:50am	Iain Lamont ID9 University of Otago <i>Genome evolution drives transcriptomic and phenotypic adaptation in Pseudomonas aeruginosa during 20 years of infection</i>	Clancy's Rm
8:50am-9:10am	Una Ren ID10 <i>sponsored by Mediscope</i> Institute of Environmental Science and Research <i>Genomic landscape of meningococcal disease in post-epidemic New Zealand.</i>	Clancy's Rm
9:10am-9:30am	Nikki Freed ID11 <i>sponsored by Thermo Fisher Scientific</i> University of Auckland <i>The 'Midnight' Method: Rapid and inexpensive whole-genome sequencing of SARS-CoV-2 using Oxford Nanopore Rapid Barcoding</i>	Clancy's Rm
9:30am – 9:50am	Htin Lin Aung ID12 <i>sponsored by Lab Supply</i> University of Otago <i>Genetic diversity and transmission patterns of Mycobacterium tuberculosis in low and high tuberculosis burden countries</i>	Clancy's Rm
9:50am-10:10am	Jo Stanton ID13 University of Otago <i>Point-of-care technology for infectious disease control</i>	Clancy's Rm
10:10am – 10:30am	Joanne Chapman ID14 <i>sponsored by QIAGEN</i> Institute of Environmental Science and Research <i>From poop to PCR: wastewater surveillance of SARS-CoV-2 in Aotearoa</i>	Clancy's Rm
10:30am-11:00am	Morning Tea	Trade Area
<u>Session 5: Vaccines & Immunology</u> Chaired by: William Kelton		
11.00am-11:20am	Gavin Painter ID15 <i>sponsored by Cytiva</i> Victoria University of Wellington <i>Development of mRNA vaccines that induce liver-resident memory CD8⁺ T cells that protect against hepatotropic infection</i>	Clancy's Rm
11:20am – 11:40am	Joanna Kirman ID16 <i>sponsored by Mediray</i> University of Otago <i>Teaching the unteachable: training innate immune cells in the lung using the BCG vaccine</i>	Clancy's Rm
11:40am – 12:00pm	Helen Petousis-Harris ID17 University of Auckland <i>From Covid-19 to monkeypox – issues for vaccine safety and confidence</i>	Clancy's Rm
12:00pm – 12:20pm	Fiona Radcliff ID18 University of Auckland	Clancy's Rm

	<i>Exploring the cross-reactive immune response to Neisseria gonorrhoeae using MeNZB antisera</i>	
12:20pm-12:40pm	Natalie Netzler ID19 sponsored by Maurice Wilkins Centre University of Auckland <i>Investigating the roles of unique Pacific gene variants on innate immunity and susceptibility to viral pathogens</i>	Clancy's Rm
12:40pm – 1:00pm	Gerd Mittelstädt ID20 Ferrier Research Institute, Victoria University of Wellington <i>Yeast-based production of SARS-CoV-2 spike RBD for vaccine development</i>	Clancy's Rm
1:00pm – 2:00pm	Lunch	Trade Area
Session 6: Antimicrobial Resistance Chaired by: Matt McNeil sponsored by Maurice Wilkins Centre		
2:00pm – 2:25pm	Kristin Dyet ID21 sponsored by Bio-Strategy Ltd Institute of Environmental Science and Research <i>The global antimicrobial resistance crisis: where does New Zealand stand?</i>	Clancy's Rm
2:25pm -2:50pm	Jack Heinemann ID22 sponsored by Abcam University of Canterbury <i>From antimicrobial stewardship to renewal</i>	Clancy's Rm
2:50pm -3:10pm	Simon Swift ID23 sponsored by Millennium Science – 10x Genomics University of Auckland <i>Biofilm infections are insensitive to antibiotics; how can they be eradicated?</i>	Clancy's Rm
3:10pm – 3:30pm	Essie Van Zuylen ID24 sponsored by University of Otago University of Canterbury <i>Novel inhibitors for combating obligate anaerobic pathogens</i>	Clancy's Rm
3:30pm – 4:00pm	Afternoon Tea	Trade Area
Session 7: Antimicrobial Resistance Continued Chaired by: Matt McNeil sponsored by Maurice Wilkins Centre		
4:00pm-4:20pm	Daniel Pletzer ID25 sponsored by Mediray University of Otago <i>Peptides and peptidomimetics to combat multidrug resistant high density infections</i>	Clancy's Rm
4:20pm – 4:40pm	Kurt Krause ID26 sponsored by Bio-Strategy Ltd University of Otago <i>BD oxidase is a game-changing drug discovery target for tuberculosis</i>	Clancy's Rm
4:40pm – 5:00 pm	Concluding remarks & poster prizes	Clancy's Rm

Queenstown Research Week Plenary Session <i>sponsored by University of Otago</i>		
6:00pm-6:30pm	Pre QRW Plenary Session Drinks & Canapes	Reds Bar
6:30pm - 6.45pm	Welcome: Peter Shepherd, Chair University of Auckland	Queenstown & Wakatipu Rm
6.45pm - 8.00pm	“The Future of the New Zealand Research System” Prof. Juliet Gerrard Prime Minister's Chief Science Advisor Prof. Gary Evans MBIE's Chief Science advisor	Queenstown & Wakatipu Rm

	Prof Sunny Collins Chief Executive, Health Research Council of New Zealand Chris Higgins CEO, New Zealanders For Health Research	
8.00pm - 10.00pm	Fashionomics <i>sponsored by Thermo Fisher Scientific</i>	Level 4, Trade Area