

<p><b>QRW Programme</b></p> <p><b>Webster Centre for Infectious Diseases Satellite Meeting</b></p> <p>30 August – 31 August, 2021</p> <p>Rydges Hotel, Queenstown, New Zealand</p>
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<b>Monday 30 August</b>		
Time	Details	Location
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>
<b><u>Session 1: Science &amp; Policy</u></b>		
<b>Chaired by: Jemma Geoghegan &amp; Joanna Hicks</b>		
10:30am – 10:40am	<b>Opening remarks sponsored by Decode Science &amp; Bio-Rad Laboratories Pty Ltd</b>	<b>Clancy's Room</b>
10:40am – 11:05am	<b>Juliet Gerrard sponsored by University of Otago</b> Prime Minister's Chief Science Advisor <i>An update on the work of the PMCSA's Infectious Diseases and AMR panel</i>	<b>Clancy's Room</b>
11:05am – 11:30am	<b>Ayesha Verrall</b> Minister for Food Safety and Minister for Seniors; Associate Minister of Health and Associate Minister of Research, Science and Innovation	<b>Clancy's Room</b>
<b><u>Session 2: COVID-19 and planning for the future</u></b>		
<b>Chaired by: Kurt Krause</b>		
11:30am – 11:50am	<b>Mike Bunce (ID1) sponsored by illumina</b> Curtin University <i>Germs and Genomes: what path(s) should Aotearoa New Zealand take to be better prepared and more agile across the biological sciences?</i>	<b>Clancy's Room</b>
11:50am – 12:10am	<b>David Murdoch (ID2) sponsored by University of Otago</b> University of Otago <i>The pathway to securing COVID-19 vaccine access for Aotearoa New Zealand</i>	<b>Clancy's Room</b>
12:10pm – 12:30pm	<b>Joanne Chapman (ID3) sponsored by QIAGEN</b> Institute of Environmental Science and Research <i>From poop to PCR: wastewater surveillance of SARS-CoV-2 in Aotearoa</i>	<b>Clancy's Room</b>
12:30pm – 1:30pm	<b>Lunch</b>	<b>Trade Area (w overflow on L5 &amp; Bazaar Restaurant)</b>

<b>Session 3: Pathogen genomics</b> <b>Supported by Genomics Aotearoa</b> <b>Chaired by: Joep de Ligt</b>		
1:30pm – 1:48pm	<b>Nigel French (ID4)</b> 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 Room
1:48pm – 2:06pm	<b>Una Ren (ID5)</b> Institute of Environmental Science and Research <i>Genomic landscape of meningococcal disease in post-epidemic New Zealand.</i>	Clancy's Room
2:06pm – 2:24pm	<b>James Hadfield (ID6)</b> Fred Hutchinson Cancer Research Centre <i>Tracking SARS-CoV-2 spread and evolution through genomic sequencing</i>	Clancy's Room
2:24pm – 2:42pm	<b>David Winter (ID7)</b> Massey University <i>Genomic epidemiology of the 2019 aspergillosis outbreak in kākāpō</i>	Clancy's Room
2:42pm – 3:00pm	<b>Iain Lamont (ID8)</b> University of Otago <i>Genome evolution drives transcriptomic and phenotypic adaptation in Pseudomonas aeruginosa during 20 years of infection</i>	Clancy's Room
3:00pm – 3:18pm	<b>Nikki Freed (ID9) sponsored by QIAGEN</b> University of Auckland <i>Rapid and inexpensive whole-genome sequencing of SARS-CoV-2 using Oxford Nanopore Rapid Barcoding</i>	Clancy's Room
3:18pm – 3:36pm	<b>Htin Lin Aung (ID10) sponsored by Maurice Wilkins Centre</b> University of Otago <i>Genetic diversity, population structure and transmission patterns of Mycobacterium tuberculosis in low and high tuberculosis burden settings</i>	Clancy's Room
3:36pm – 4:00pm	<b>Afternoon Break</b>	Trade Area & L5
<b>Session 4: Host-pathogen interactions</b> <b>Chaired by: Siouxsie Wiles</b>		
4:00pm – 4:15pm	<b>Nikki Moreland (ID11) sponsored by Abacus DX</b> University of Auckland <i>SARS-CoV-2 antibodies in New Zealand : profiling, persistence and prevalence</i>	Clancy's Room
4:15pm – 4:30pm	<b>Keith Ireton (ID12)</b> University of Otago <i>The bacterial pathogens Listeria monocytogenes and Shigella flexneri exploit host exocytosis to promote cell-to-cell spread</i>	Clancy's Room
4:30pm – 4:45pm	<b>Joanna MacKichan (ID13) sponsored by Ngaio Diagnostics</b> Victoria University of Wellington <i>A Neisseria meningitidis iron acquisition protein moonlights as an adhesin and inhibits host cell wound repair</i>	Clancy's Room

4:45pm – 5:00pm	<b>Jane Allison (ID14)</b> University of Auckland <i>Novel insights into the structure and function of dengue virus NS1 protein</i>	<b>Clancy's Room</b>
5:00pm – 6:30pm	<b>Poster Session</b>	<b>Level 7, Marquee</b>
5:00pm – 7:00pm	<b>Evening Social Function</b> <i>sponsored by Millennium Science</i> Drinks and canapes	<b>Level 4, Trade Area</b>
7:00pm – late	<b>Conference Dinner at Winnie's Gourmet Pizza Bar</b>	<b>Winnie's</b>

<b>Tuesday 31 August</b>		
<b>Time</b>	<b>Details</b>	<b>Location</b>
<b><u>Session 5: Emerging technologies in infectious disease</u></b> <b>Chaired by: Htin Lin Aung</b>		
9:00am – 9:20am	<b>Jo Stanton (ID15)</b> sponsored by Thermo Fisher Scientific University of Otago <i>Point-of-care technology for infectious disease control</i>	<b>Clancy's Room</b>
9:20am – 9:40am	<b>Peter Fineran (ID16)</b> sponsored by Cytiva University of Otago <i>Development and exploitation of high-throughput approaches to unravel phage-bacterial interactions and bacterial defence system biology</i>	<b>Clancy's Room</b>
9:40am – 10:00am	<b>Miles Benton and Georgia Bell (ID17)</b> sponsored by Decode Science and University of Otago Institute of Environmental Science and Research <i>Harnessing the disruptive nature of portable sequencing for community empowerment.</i>	<b>Clancy's Room</b>
10:00am – 10:30am	<b>Morning Tea</b>	<b>Trade Area &amp; L5</b>
<b><u>Session 6: Antimicrobial resistance</u></b> <b>Chaired by: Rachel Darnell</b>		
10:30am – 10:50am	<b>Greg Cook (ID18)</b> sponsored by Mediray University of Otago <i>Targeting redox homeostasis to eradicate drug-resistant Mycobacterium tuberculosis</i>	<b>Clancy's Room</b>
10:50am – 11:10am	<b>Kristin Dyet (ID19)</b> sponsored by Bio-Strategy Limited Institute of Environmental Science and Research <i>The global antimicrobial resistance crisis: where does New Zealand stand?</i>	<b>Clancy's Room</b>
11:10am – 11:30am	<b>Simon Swift (ID20)</b> sponsored by Eppendorf University of Auckland <i>Biofilm infections are insensitive to antibiotics; how can they be eradicated?</i>	<b>Clancy's Room</b>
11:30am – 11:50pm	<b>Jack Heinemann (ID21)</b> University of Canterbury <i>From stewardship to renewal</i>	<b>Clancy's Room</b>
11:50am – 12:10pm	<b>Dianne Sika-Paotunu (ID22)</b> University of Otago <i>Drug design - a novel approach</i>	<b>Clancy's Room</b>
12:10pm – 12:30pm	<b>Daniel Pletzer (ID23)</b> University of Otago <i>Peptides and peptidomimetics to combat multidrug resistant pathogens</i>	<b>Clancy's Room</b>

12:30pm – 1:30pm	<b>Lunch</b>	Trade Area (w overflow on L5 & Bazaar Restaurant)
<b><u>Session 7: Vaccines &amp; immunology</u></b> <b>Chaired by: John Taylor</b>		
1:30pm – 1:50 pm	<b>Gavin Painter (ID24)</b> <i>sponsored by Cytiva</i> Victoria University of Wellington <i>Glycolipid-peptide vaccination induces liver-resident memory CD8+ T cells that protect against hepatotropic infection</i>	Clancy's Room
1:50pm – 2:10pm	<b>Helen Petousis-Harris (ID25)</b> University of Auckland <i>COVID-19 vaccines – safety beyond the trials</i>	Clancy's Room
2:10pm – 2:30pm	<b>Joanna Kirman (ID26)</b> <i>sponsored by Millennium Science</i> University of Otago <i>Teaching the unteachable: training innate immune cells in the lung using the BCG vaccine</i>	Clancy's Room
2:30pm – 2:50pm	<b>Fran Priddy (ID27)</b> <i>sponsored by Cytiva</i> Malaghan Institute <i>COVID-19 Vaccines 2.0 – Booster vaccination and broadly effective vaccines</i>	Clancy's Room
2:50pm – 3:10pm	<b>Kurt Krause (ID28)</b> University of Otago <i>Smallpox virus chemokine-binding proteins have strong anti-inflammatory properties</i>	Clancy's Room
3:10pm – 3:30pm	<b>Fiona Radcliff (ID29)</b> University of Auckland <i>Exploring the cross-reactive immune response to Neisseria gonorrhoeae using MeNZB antisera</i>	Clancy's Room
3:30pm – 4:00pm	<b>Afternoon Tea</b>	Level 5 & Trade Area
<b><u>Session 8: Environmental microbiology</u></b> <b>Chaired by: Jemma Geoghegan</b> <i>sponsored by Decode Science</i>		
4:00pm – 4:20pm	<b>Xochitl Morgan (ID30)</b> University of Otago <i>The persistence of vancomycin-resistant E. faecalis in the post-avoparcin era</i>	Clancy's Room
4:20pm – 4:40pm	<b>Kim Handley (ID31)</b> <i>sponsored by QIAGEN</i> University of Auckland <i>Genetic adaptations to salinity and temperature in microorganisms</i>	Clancy's Room
4:40pm – 5:00pm	<b>Sean Meaden (ID32)</b> University of Otago <i>High viral abundance and low diversity are associated with increased CRISPR-Cas prevalence across microbial ecosystems</i>	Clancy's Room
5:00pm – 5:10pm	<b>Concluding remarks &amp; poster prizes</b>	Clancy's Room

<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>
7.00pm – 9.00pm	<b>Fashionomics</b> <i>sponsored by Thermo Fisher Scientific</i>	<b>Level 4, Trade Area</b>