

**QRW Programme**  
**National Symposium on Infectious Diseases and Antimicrobial Resistance: Challenges,  
 Opportunities and Successes**

30 – 31 August, 2015  
 Rydges Hotel, Queenstown, New Zealand

<b>Sunday 30 August 2015</b>		
<b>Time</b>	<b>Details</b>	<b>Location</b>
9.00am – 10.00am	<b>S1: Introduction and opening remarks</b> <b>Kurt Krause</b> – Webster Centre, <b>Richard Blaikie</b> – DVC Research, University of Otago	<b>Queenstown Rm</b>
9.10am – 10.00am	<b>Plenary talk: Professor William Jacobs</b> Department of Microbiology and Immunology, Albert Einstein College of Medicine <i>Sponsored by Webster Centre and Maurice Wilkins Centre</i> “On the Road to Edward Jenner’s Revenge: Lessons for TB Vaccines from a New Herpes Vaccine”	<b>Queenstown Rm</b>
10.00am- 10.30am	<b>Morning Tea</b>	<b>Trade Area</b>
10.30am – 12.35	<b>S2: New Zealand and beyond: Challenges in Infectious Diseases</b> <b>Chair: Frank Griffin</b> University of Otago	<b>Queenstown Rm</b>
10.30 – 10.55am	<b>Deborah Williamson</b> University of Otago and ESR <i>Sponsored by ESR</i> “Public Health Microbiology in the Genomics Era”	<b>Queenstown Rm</b>
10.55am – 11.20am	<b>Nikki Moreland</b> University of Auckland “Coalition to Advance New Vaccines for Group A Streptococcus (CANVAS): A Trans-Tasman Initiative for Rheumatic Fever Prevention?”	<b>Queenstown Rm</b>
11.20am – 11.45am	<b>David Murdoch</b> University of Otago <i>Sponsored by Webster Centre and Roche Diagnostics</i> “Determining the microbial aetiology of pneumonia – will the real pathogen please stand up?”	<b>Queenstown Rm</b>
11.45am – 12.10pm	<b>John Fraser</b> University of Auckland <i>Sponsored by Webster Centre and pH Scientific</i> “Staphylococcal pathogenesis and disease – is a vaccine possible?”	<b>Queenstown Rm</b>
12.10pm – 12.35pm	<b>Nigel French</b> Massey University <i>Sponsored by Webster Centre</i> “Controlling zoonotic pathogens: the increasing role played by molecular and genomic epidemiology”	<b>Queenstown Rm</b>
<b>12.35pm – 1.30pm</b>	<b>Lunch</b>	<b>Trade Area</b>
1.30pm – 3.30pm	<b>S3: Host-pathogen interactions and the microbiome</b> <b>Grant Butt</b> University of Otago	<b>Queenstown Rm</b>
1.30pm – 2.15pm	<b>Elaine Petrof</b> , Queens University and Kingston General Hospital, Kingston, Ontario, Canada <i>Sponsored by Gut Health Network</i> “RePOOPulate and treating <i>C diff</i> infections”	<b>Queenstown Rm</b>

2.15pm – 2.45pm	<b>Nadeem O. Kaakoush</b> , School of Biotechnology and Biomolecular Sciences, The University of New South Wales <i>Sponsored by Gut Health Network</i> “Gut microbiota in health and disease”	<b>Queenstown Rm</b>
2.45pm-3.05pm	<b>Gerald Tannock</b> University of Otago <i>Sponsored by Webster Centre</i> “Understanding the bowel microbiome”	<b>Queenstown Rm</b>
3.05pm – 3.20pm	<b>Ayesha Verrall</b> University of Otago <i>Sponsored by Webster Centre</i> “Innate immunity and TB”	<b>Queenstown Rm</b>
3.20pm – 3.35pm	<b>Andree Huber</b> Osaka University Japan “LC3-associated phagocytosis restricts an intracellular bacterial pathogen in a process that involves both TLR2 signalling and ROS”	<b>Queenstown Rm</b>
3.35pm – 4.00pm	<b>Afternoon tea</b>	<b>Trade Area</b>
<b>S4: Fighting Back: drug discovery and novel therapeutic approaches</b> <b>Chair: Shaun Lott</b> University of Auckland		
4.00pm – 4.30pm	<b>Michael Berney</b> Albert Einstein College of Medicine <i>Sponsored by Department of Microbiology and Immunology, University of Otago</i> “Methionine-less Death in <i>Mycobacterium tuberculosis</i> – New Opportunities for Chemotherapeutic Interventions”	<b>Queenstown Rm</b>
4.30pm – 5.00pm	<b>Dean Crick</b> Colorado State University <i>Sponsored by Maurice Wilkins Centre</i> “Application of the Henderson Hasselbalch equation to TB drug discovery”	<b>Queenstown Rm</b>
5.00pm – 5.20pm	<b>Lyn Wise</b> University of Otago <i>Sponsored by Webster Centre</i> “Emerging antimicrobial therapies for skin wound infections”	<b>Queenstown Rm</b>
5.20pm – 5.40pm	<b>Chris Greening</b> CSIRO, Canberra <i>Sponsored by Webster Centre and Department of Microbiology and Immunology</i> “Physiological and pharmacological roles of the diverse 2lavin/deazaflavin oxidoreductase superfamily in mycobacteria”	<b>Queenstown Rm</b>
5.40pm – 6.00pm	<b>Kurt Krause</b> University of Otago <i>Sponsored by Webster Centre and Roche Diagnostics</i> “Glutamate racemase as a target for antibiotic design in tuberculosis”	<b>Queenstown Rm</b>
7.00pm-7.30pm	<b>Poster Session and Drinks</b>	<b>Level 5 and Trade Area</b>
7.00pm – 9.00pm	<b>Beer and Pizza Social Function</b> <b>Poster session continues, 5 minute lightning talks</b>	<b>Clancy’s Rm</b>

## Monday 31 August 2015

Time	Details	Location
<b>National Symposium on Infectious Diseases and Antimicrobial Resistance: Challenges, Opportunities and Successes</b> <b>S5: Plenary Session:</b> <b>Chaired by Debbie Williamson (University of Otago)</b>		
9.00am – 10.00am	<b>Scott Beatson</b> Australian Infectious Diseases Research Centre, University of Queensland <i>Sponsored by ESR</i> “Antimicrobial resistance: what can the genome tell us?”	Queenstown Rm
10.00am-10.30am	<b>Morning Tea</b>	Trade Area
<b>S6: From bench to bedside: advances in molecular microbiology</b> <b>Chair: Nigel French Massey University</b>		
10.30am – 11.00am	<b>Frank Griffin</b> University of Otago <i>Sponsored by Webster Centre</i> “Biomarkers for Resilience and Susceptibility to Mycobacterial Infection: Model studies in deer”	Queenstown Rm
11.00am – 11.20am	<b>James Ussher</b> University of Otago <i>Sponsored by Webster Centre and Medi’Ray NZ Ltd</i> “MAIT cells: key cellular effectors in antibacterial immunity?”	Queenstown Rm
11.20am – 11.40am	<b>James Hadfield</b> Wellcome Trust Sanger Institute, Cambridge “Salmonella Enteritidis lineages: from broad host range generalists to highly adapted human invasive strains”	Queenstown Rm
11.40am – 12.00pm	<b>Una Ren</b> ESR “Revisiting the NZ meningococcal disease epidemic using whole genome analysis”	Queenstown Rm
12.00pm – 12.20pm	<b>Greg Cook-Htin Aung</b> University of Otago <i>Sponsored by Thermo Fisher Scientific</i> “Whole-genome sequencing for the management of drug-resistant tuberculosis in Myanmar”	Queenstown Rm
12.30pm – 1.30pm	<b>Lunch</b>	Trade Area
1.30pm – 3.30pm	<b>S7: Proffered papers session</b> <b>Chair: Kurt Krause</b>	Queenstown Rm
1.30pm – 1.45pm	<b>Joel Tyndall</b> University of Otago “Structural studies of the membrane protein CYP51 reveals resistance mechanism against short-chain azole antifungals”	Queenstown Rm
1.45pm – 2.00pm	<b>Stephanie Dawes</b> University of Auckland “Ribonuclease HI – a new candidate for drug development for <i>Mycobacterium tuberculosis</i> ”	Queenstown Rm

2.00pm – 2.15pm	<b>Joanna McKenzie</b> University of Cambridge “A plant-like PPR protein controls RNA cleavage in the Plasmodium remnant chloroplast”	<b>Queenstown Rm</b>
2.15pm – 2.30pm	<b>George Poulter</b> University of Otago <i>Sponsored by Webster Centre</i> “Complete genome of PSA – <i>Pseudomonas syringae</i> pv. Actinidiae”	<b>Queenstown Rm</b>
2.30pm – 2.45pm	<b>Denis Simonov</b> University of Auckland “Transcriptional response of human bladder cells to UPEC 536 vesicles”	<b>Queenstown Rm</b>
2.45pm - 3.00pm	<b>Brigitta Kurenbach</b> University of Canterbury Sub-lethal effects of commercial formulations of herbicides on bacteria. A link to creeping antibiotic resistance?	<b>Queenstown Rm</b>
3.00pm – 3.20pm	<b>Matloob Husain</b> University of Otago “The pathogenesis of influenza A virus in histone deacetylase 6-knockout mice”	<b>Queenstown Rm</b>
3.30pm – 4.00pm	<b>Afternoon tea</b>	<b>Trade Area</b>
4.00pm – 5.00pm	<b>S8: Closing Plenary: Chair: Professor Greg Cook</b> University of Otago	<b>Queenstown Rm</b>
4.00 pm – 4.50pm	<b>Professor Mark Walker</b> University of Queensland <i>Sponsored by ESR</i> “Zinc daggers – killing group A Streptococcus in a different way”	<b>Queenstown Rm</b>
4.50pm – 5.00pm	<b>Closing Remarks: Professor Greg Cook</b> University of Otago	<b>Queenstown Rm</b>
6.00pm-8.00pm	<b>QRW Welcome and Opening Lecture</b> <b>Prof Peter Shepherd</b> – University of Auckland <b>Larry Young</b> - Emory University <i>sponsored by University of Otago</i> <i>The neural mechanisms of social bonding: Implications for novel therapies for autism</i>	<b>Clancy’s Rm</b>
8.00pm-9.00pm	<b>QRW Welcome Reception</b> <b>Drinks and nibbles</b>	<b>Trade Area</b>
7.00pm – 10.00pm	<b>Microbes and Disease Dinner</b>	<b>Pig and Whistle</b>
From 9.00pm	<b>QRW Party at Chico’s</b> <b>Show your name badge for entry and free house drink</b>	<b>Chicos</b>