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| **QRW Programme**  **Webster Centre for Infectious Diseases QMB Satellite Symposium: Infectious Diseases and Membrane Proteins**  1 September – 2 September, 2019  Rydges Hotel, Queenstown, New Zealand |

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| **Sunday 1 September** | | |
| **Time** | **Details** | **Location** |
| ***Mycobacterium tuberculosis* membrane proteins**  **Chaired by Associate Professor Shaun Lott (University of Auckland)** | | |
| 9:00am – 9:05am | **Opening remarks:** **Kurt Krause, Jane Allison**  University of Otago, University of Auckland | **Clancy’s Rm** |
| 9:05am – 9:40am | **Kevin Pethe (Q1)**  Nanyang Technological University  *Suffocating Mycobacterium tuberculosis: new approaches for anti-TB drug development* | **Clancy’s Rm** |
| 9:40am – 10:00am | **Greg Cook (Q2)**  University of Otago  *Next generation ATP synthase inhibitors to combat drug resistant tuberculosis* | **Clancy’s Rm** |
| 10:00am – 10:35am | **Schara Safarian (Q3)**  Max Planck Institute for Biophysics  *Structure and mechanism of the cytochrome bd oxidase* | **Clancy’s Rm** |
| 10:35am – 11:00am | **Morning Tea** | **Trade Area** |
| **Virus-host interactions**  **Chaired by Professor Richard Cannon (University of Otago)** | | |
| 11:00am – 11:20am | **Miguel Quiñones-Mateu (Q4)**  University of Otago  *Why are HIV-infected individuals failing antiretroviral treatment in Africa?* | **Clancy’s Rm** |
| 11:20am – 11:40am | **Merilyn Hibma (Q5)**  University of Otago  *Evaluating immune modulation of dendritic cells by extracellular vesicles shed from human papillomavirus type 16-E7 expressing keratinocytes* | **Clancy’s Rm** |
| 11:40am – 11:55am | **Jan Marzinek (Q6)**  A\*STAR  *Molecular Details of Dengue Virus Conformational Changes and Interactions with Antibodies* | **Clancy’s Rm** |
| 11:55am – 12:15pm | **John Taylor (Q7)**  University of Auckland  *Secreted forms of a nonstructural glycoprotein encoded by rotavirus activates proinflammtory signaling via Toll-Like Receptor 2: A novel virotoxin-based pathophysiologic mechanism in viral gastroenteritis.* | **Clancy’s Rm** |
| 12:15pm – 1:30pm | **Lunch** | **Trade Area** |
| **Host-pathogen interactions**  **Chaired by Dr Joanna Hicks (University of Waikato)** | | |
| 1:30pm – 2:05pm | **Michael Jennings (Q8)**  Griffith University  *Glycointeractions: new opportunities to cure and prevent infectious disease* | **Clancy’s Rm** |
| 2:05pm – 2:20pm | **Tess Malcolm (Q9)**  Monash University  *Metal-dependent dynamic equilibrium: A mechanism for regulation of the Plasmodium M17 aminopeptidases?* | **Clancy’s Rm** |
| 2:20pm – 2:40pm | **Bruce Russell (Q10)**  University of Otago  *Unravelling the molecular basis for vivax malaria's unhealthy attraction to human reticulocytes* | **Clancy’s Rm** |
| 2.40pm – 2.55pm | **Matthew McNeil (Q11)**  University of Otago  *Essentiality of succinate metabolism in Mycobacterium tuberculosis* | **Clancy’s Rm** |
| 3:00pm – 3:30pm | **Afternoon Tea** | **Trade Area** |
| **Membrane protein structure and targeting**  **Chaired by Professor Kurt Krause (University of Otago)** | | |
| 3:30 – 3:50pm | **Brian Monk (Q12)**  University of Otago  *Drug discovery using the antifungal target lanosterol 14α-demethylase* | **Clancy’s Rm** |
| 3:50pm – 4:10pm | **Iain Hay (Q13)**  University of Auckland  *Bacterial Secretins – Versatile outer membrane pores* | **Clancy’s Rm** |
| 4:10pm – 4:30pm | **Poster Plugs** | **Clancy’s Rm** |
| 4:30pm – 6:30pm | **Poster Session (with beer/wine)** | **Marquee** |
| 7:00pm – late | **Conference Dinner – Winnies (shared with BIC)** | **Winnies** |

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| **Monday 2 September** | | |
| **Time** | **Details** | **Location** |
| **Membrane Protein Structure and Function (shared with BIC)**  **Chaired by Associate Professor Jane Allison (University of Auckland)** | | |
| 9:00am – 9:35am | **Karen Fleming (Q14)**  Johns Hopkins University  *From Chaperones to the Membrane with a BAM!* | **Queenstown Rm** |
| 9:35am – 9:55am | **Ren Dobson (Q15)**  University of Canterbury  *Insane in the membrane: Biology of bacterial sialic acid metabolism* | **Queenstown Rm** |
| 9:55am – 10:30am | **Michelle Dunstone (Q16)**  Monash University  *Pore forming proteins of the immune system: What happens when there are no target-recognition domains?* | **Queenstown Rm** |
| 10:30am – 11:00am | **Morning Tea** | **Trade Area** |
| **Neisseria**  **Chaired by Dr Joanna Mackichan (Victoria University of Wellington)** | | |
| 11:00am – 11:35am | **Maggie So (Q17)**  University of Arizona  *Commensal Neisseria kill Neisseria gonorrhoeae through a DNA-dependent mechanism* | **Queenstown Rm** |
| 11:35am – 11:55pm | **Joanna Hicks (Q18)**  University of Waikato  *Cysteine Biosynthesis; Gonorrhoea's weak link?* | **Queenstown Rm** |
| 11:55pm – 12:30pm | **Kate Seib (Q19)**  Griffith University  *Advances towards a Neisseria gonorrhoeae vaccine* | **Queenstown Rm** |
| 12:30pm – 2:00pm | **Lunch and Speed Mentoring** | **Trade Area** |
| **Molecular mechanisms of pathogenesis**  **Chaired by Dr Tim Allison (University of Canterbury)** | | |
| 2:00pm – 2:35pm | **Peter Bond (Q20)**  A\*STAR Singapore  *Understanding the mechanisms of infectious disease: from atomic to system resolution* | **Queenstown Rm** |
| 2:35pm – 2:55pm | **Stephanie Dawes (Q21)**  University of Auckland  *RNase HI activity provides metabolic flexibility under antibiotic stress in the mycobacteria* | **Queenstown Rm** |
| 2:55pm – 3:10pm | **Chris Greening (Q22)**  Monash University  *The hows and whys of F420 biosynthesis in mycobacteria* | **Queenstown Rm** |
| 3:10pm – 3:30pm | **Jodie Johnston (Q23)**  University of Canterbury  *Targeting menaquinone biosynthesis in the pathogens M. tuberulcosis and S. aureus* | **Queenstown Rm** |
| 3:30pm – 4:00pm | **Afternoon Tea** | **Trade Area** |
| **Genomics in infectious diseases**  **Chaired by Professor Greg Cook (University of Otago)** | | |
| 4:00 – 4:35pm | **Sarah Dunstan (Q24)**  Doherty Institute  *Genomics to tame Tuberculosis* | **Queenstown Rm** |
| 4:35pm – 4:50pm | **Catherine Jia-Yun Tsai (Q25)**  Auckland University  *A Novel Peptide Delivery Platform for Mucosal Vaccination Based on Group A Streptococcus Pili* | **Queenstown Rm** |
| 4:50pm – 5:25pm | **Debbie Williamson (Q26)**  Doherty Institute  *Food, sex and genomics* | **Queenstown Rm** |
| 5:25pm – 5:30pm | **Concluding remarks: Kurt Krause, Jane Allison** | **Queenstown Rm** |