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