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| **QRW Programme****Queenstown Molecular Biology Main Meeting****Monday 2nd — Wednesday 4th September, 2019** Rydges Hotel, Queenstown, New Zealand  |

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| **Monday 2nd September**  |
| **QMB and MedSci Poster Session**  |
| **Time** | **Details** | **Location** |
| 4.00pm – 6.00pm  | **QMB Poster Session***Best student poster will be selected for each of the meeting themes: Microbes, human disease, genomics.*  | Marquee |
| **Queenstown Research Week Opening Night and Plenary Session** |
| **Time** | **Details** | **Location** |
| 6.00pm – 6.10pm  | **Welcome: Peter Shepherd** *University of Auckland* | Queenstown Room and Clancys Room |
| 6.10pm – 6.25pm | **Official Opening:** Speaker: *tbc* | Queenstown Room and Clancys Room |
| 6.25pm – 6.30pm | **Plenary Introduction: Nikki Moreland***University of Auckland* | Queenstown Room and Clancys Room |
| 6.30pm – 7.30pm | **Professor Joan Steitz**2018 Lasker Award winner for her pioneering role in expanding our understanding of RNA biology and her lifelong advocacy for inclusion of women in the sciences*Yale University, New Haven, USA* | Queenstown Room and Clancys Room |
| 7:30 – 9.00pm | **Opening night mixer** | Trades Area |

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| **Tuesday 3rd September**  |
| **Disease Pathways****Chair: *tbc***  |
| **Time** | **Details** | **Location** |
| 8.45am-9.15am  | **Q1. Professor Suzanne Cory**Walter and Eliza Hall Institute, Australia*MYC-driven cells need MNT to survive* | Clancys Room |
| 9.15am-9.40am  | **Q2. Professor Catherine Day**University of Otago*Building chains: regulation of ubiquitin transfer by TRAF E3 ligases* | Clancys Room |
| 9.40am-10.00am | **Q3. Professor Jerry Adams**Walter and Eliza Hall Institute, Australia*Control of apoptosis by the BCL-2 protein family: How do BAX conformational changes impose cell death?* | Clancys Room |
| 10.00 – 10.30 am | **Morning Tea** | Trades Area |
|  | **Chair: Dr Nikki Moreland (Auckland)** |  |
| 10.30 – 10.45 am | **Q4. Dacia Herbulock**Science Media Centre*Title, tbc* | Queenstown Room |
| 10.45 – 11.00am | **Q5. Dr John O’Sullivan**Charles Perkins Centre, Sydney*Stiff Hearts: A Modern Epidemic Driven by Metabolic Disease* | Queenstown Room |
| 11.00 – 11.30am | **Q6. Professor Lea Delbridge**University of Melbourne*Cardiac troponins - targets for irreversible glycation damage* | Queenstown Room |
| 11.30 – 12.00pm | **Q7. Professor Michael Jennings**Griffith University, Australia*Glycomics: Generating new opportunities to understand, diagnose and treat disease.* | Queenstown Room |
| **12.00 – 1.00pm** | **Lunch** | Trades Area |
| **Microbial Populations and Interactions** **Chair: Dr Jeremy Owen (Victoria)** |
| 1.00 – 1.40pm | **Q8. Professor Phil Hugenholtz** University of Queensland, Australia *A proposal for a standardized genome-based bacterial taxonomy accurately reflecting evolutionary relationships.* | Queenstown Room |
| 1.40 – 1.55pm | **Q9. Dr Xochitl Morgan**University of Otago*Agricultural origins of a persistent lineage of vancomycin-resistant E. faecalis from New Zealand* | Queenstown Room |
| 1.55 – 2.10pm | **Q10. Dr Monica Gerth**University of Victoria, Wellington*Mātauranga guided biodiscovery of anti-Phytophthora compounds* | Queenstown Room |
| 2.10 – 2.25pm | **Q11. A/Prof Shaun Lott**University of Auckland*How does RhsA cause bacterial contact-dependent inhibition?* | Queenstown Room |
| 2.25 – 3.00pm | **Q12. Professor Stephan Schuster***NTU, Singapore**Air microbiome: A missing eco-system?* | Queenstown Room |
| **3.00 – 3.30pm** | **Afternoon tea** | Trades Area |
|  | **Chair: Dr Reuben McGregor (Auckland)** |  |
| 3.30 – 3.55pm | **Q13. Dr Jaclyn Pearson**Hudson Institute, Melbourne*The role of RIPK1 in controlling bacterial gastrointestinal infections*  | Queenstown Room |
| 3.55 – 4.25 pm | **Q14. Illumina Award winner** | Queenstown Room |
| 5.30pm | **QMB dinner, TSS Earnslaw** ***Boat departs at 5.30pm sharp*** |  |

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| **Wednesday 4th September** |
| **Time** | **Details** | **Location** |
| **Genomic technologies and applications****Chair: Dr Htin Lin Aung (Otago)** |
| 8.30 – 9.00am | **Q15. Dr Sarah Dunstan****Peter Doherty Institute for Infection and Immunity, Melbourne***Human genomics of infectious disease* | Clancys Room |
| 9:00 – 9:20am | **Q16. Dr Jessie Jacobsen****The University of Auckland***Using high throughput sequencing to diagnose New Zealanders with rare disorders: academic and clinical challenges* | Clancys Room |
| 9.20 – 9:40am  | **Q17. Dr Michael Knapp****University of Otago***Origin and evolution of Tuberculosis in New Zealand* | Clancys Room |
| 9:40 ­– 10.00am | **Q18. Prof Carole McArthur** **University of Missouri-Kansas City, USA** *Surveillance of HIV-1 Diversity by Next Generation Sequencing (NGS) of Archival Specimens from the Congo Basin* | Clancys Room |
| 10.00 -10.30am | **Morning Tea** | Trades Area |
|  | **Stem cells and development****Chair: *tbc*** |  |
| 10.30 – 11:05am | **Q19. Professor Ed Stanley****Murdoch Children’s Research Institute, Melbourne***Modelling Human Development and Disease using Pluripotent Stem Cells* | Queenstown Room |
| 11:05 – 11.30am | **Q20. Professor Bronwen Connor** **The University of Auckland***Modelling Huntington's Disease using Direct Cell Reprogramming Technology* | Queenstown Room |
| 11.30 – 11.55pm | **Q21. Dr Annika Winbo****The University of Auckland and Auckland District Health Board***Using iPS cells to model the long QT syndrome* | Queenstown Room |
| 11.55 – 12:30pm | **Q22. A/Prof Enzo Porello****Murdoch Children’s Research Institute, Melbourne***Drug screening in human pluripotent stem cell-derived cardiac organoids* | Queenstown Room |
| 12.30pm–1.30pm | **Lunch** | Trades Area |
| 12.30pm–1.30pm | **QMB AGM** | Queenstown Room |
| **Gene Editing – from mechanisms to translation** **Chair: Dr Hilary Sheppard (Auckland)** |
| 1.30pm – 1.50pm | **Q23. Dr Hannah Hampton****University of Otago***Function and regulation of Class 1 CRISPR‑Cas systems* | Queenstown Room |
| 1.50pm – 2.20pm | **Q24. Professor William Wilson** **Auckland Cancer Society Research Centre, The University Of Auckland** *CRISPR-based whole genome screening as a functional genomics tool* | Queenstown Room |
| 2.20pm – 2.50pm | **Q25. Dr Susan Woods****The University of Adelaide***Modelling bowel cancer using CRISPR/Cas9 genome engineering and personalised medicine for advanced disease* | Queenstown Room |
| 2.50pm – 3.30pm | **Q26. Professor Matthew Porteus****Stanford University, USA***Genome Editing of Somatic Stem Cells: Creating a New Class of Medicines* | Queenstown Room |
| 3.30 – 4.00pm | **Afternoon tea** | Trades Area |
|  | **Chair: Dr Christina Buchanan (Auckland)** |  |
| 4.00pm – 4.25pm | **Q27. Dr Björn Oback****AgResearch, Ruakura Research Centre***Male germline complementation in genome edited chimaeric sheep* | Queenstown Room |
| 4.25 – 4.55pm | **Q28. Thermo fisher scientific award winner** | Queenstown Room |
| 7.00pm– 9.00pm | **Fashionomics** | Trades Area |