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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 |