|  |
| --- |
| **QRW Programme**  **Genome Data Science**  Thursday 5 September – Friday 6 September, 2019  Rydges Hotel, Queenstown, New Zealand |

|  |  |  |
| --- | --- | --- |
| **Thursday 5 September** | | |
| **Time** | **Details** | **Location** |
| **Keynote presentation**  **Chaired by Mik Black (Otago)** | | |
| 9.00am – 9:10am | **Introduction** : **Mik Black**  University of Otago | **Clancy’s rm** |
| 9:10am – 10:00am | **Murray Cox (G1)**  Massey University  *Finishing (small) eukaryotic genomes* | **Clancy’s rm** |
| 10.00am-10.30am | **Morning Tea** | **Trade Area** |
| **Talks 1**  **Chaired by Joep de Ligt (ESR)** | | |
| 10.30am-11.10am | **Jemma Geoghegan(G2)**  Macquarie University  *Revealing the hidden diversity of viruses in fish using meta-transcriptomics* | **Clancy’s rm** |
| 11.10am-11.30am | **Bede Busby (G3)**  European Molecular Biology Laboratory  *The impact of the genetic background on gene deletion phenotypes in*Saccharomyces cerevisiae | **Clancy’s rm** |
| 11.30am-11.50pm | **Ann Mc Cartney (G4)**  Manaaki Whenua  *Genome Assembly Strategies for Endemic New Zealand Species* | **Clancy’s rm** |
| 11.50pm-12.10pm | **James Boocock (G5)**  University of California, Los Angeles  *Ancient balancing selection maintains incompatible versions of a conserved metabolic pathway in yeast* | **Clancy’s rm** |
| 12.10pm-12.30pm | **Alana Alexander (G6)**  University of Otago  *Hologenomics for conservation: a first test of utility using New Zealand’s endemic Māui and Hector’s dolphins* | **Clancy’s rm** |
| 12:30pm-1:30pm | **Lunch** | **Trade Area** |
| **Genomics Aotearoa and NeSI**  **Chaired by Mik Black (Otago)** | | |
| 1.30pm-2:10pm | **Ben Te Aika (G7)**  Genomics Aotearoa  *Understanding genomic data management – an indigenous perspective of “data protection” and “data sovereignty.”* | **Clancy’s rm** |
| 2:10pm-2.30pm | **Megan Guidry (G8)**  New Zealand eScience Infrastructure (NeSI)  *Raising eResearch Capability in New Zealand* | **Clancy’s rm** |
| 2.30pm-2.50pm | **Ngoni Faya (G9)**  Genomics Aotearoa  *Genomics Aotearoa Training* | **Clancy’s rm** |
| 2:50pm-3:10pm | **Dini Senanayake (G10)**  New Zealand eScience Infrastructure (NeSI)  *NeSI and Genomics: Catering to Domain-Specific High Performance Computing needs* | **Clancy’s rm** |
| 3.10pm-3.30pm | **Discussion session** |  |
| 3.30pm-4.00pm | **Afternoon Tea** | **Trade Area** |
|  | **Talks 2**  **Chaired by Ngoni Faya (Otago)** |  |
| 4.00pm-4.40pm | **James Hadfield (G11)**  Fred Hutchinson Cancer Research Center  *Nextstrain: real-time tracking of pathogen evolution with interactive data visualisation & storytelling* | **Clancy’s rm** |
| 4.40pm-5.00pm | **Alex Trevarton (G12)**  The University of Texas MD Anderson Cancer Center  *Simple combination of multiple variant callers to increase accuracy* | **Clancy’s rm** |
| 5.00pm-5.45pm | **Poster short talks**  *Each presenter will provide a 5 minute overview of their poster prior to the start of the poster session at 6pm.* | **Clancy’s rm** |
| 6.00pm-6.45pm | **Poster Session** | **Marquee** |

|  |  |  |
| --- | --- | --- |
| **Friday 6 September** | | |
| **Time** | **Details** | **Location** |
| **Keynote presentation**  **Chaired by Mik Black (Otago)** | | |
| 9:10am – 10:00am | **Kim Handley (G13)**  University of Auckland  *Genomics Aotearoa: environmental genomics and the many different pathways to reconstruct microbial ecosystems and environmental adaptations* | **Clancy’s rm** |
| 10.00am-10.30am | **Morning Tea** | **Trade Area** |
| **Talks 3 – Joint Session with Epigenetics**  **Chaired by Paul Gardner (Otago)** | | |
| 10.30am-10.55am | **Jiří Moravec (G14)**  University of Otago  *Inferring cancer population history from a single-cell sequencing DNA methylation data* | **Clancy’s rm** |
| 10.55am-11.10am | **Sreemol Gokuladhas (G15)**  Liggins Institute, University of Auckland  *Shared regulatory pathways reveal novel genetic correlations between grip strength and neuromuscular disorders* | **Clancy’s rm** |
| 11.10am-11.35am | **Miles Benton (G16)**  Institute of Environmental Science and Research (ESR)  *The Humble Guinea Pig: Cute, Furry and Deserving of a Better Genome Assembly?* | **Clancy’s rm** |
| 11.35am-12.00pm | **Elsie Jacobson (G17)**  The Liggins Institute, University of Auckland  *Hi-C detects novel structural variants in HL-60 and HL-60/S4 cell lines* | **Clancy’s rm** |
| 12.00pm-12.30pm | **John Pearson (G18)**  University of Otago, Christchurch  *TBA* | **Clancy’s rm** |
| 12:30pm-1:30pm | **Lunch** | **Trade Area** |
| **Talks 4**  **Chaired by Jonah Duckles (AbacusBio)** | | |
| 1.30pm-2.10pm | **Joep de Ligt (G19)**  Institute of Environmental Science and Research (ESR)  *A System-wide Approach to Monitor Responses to Synergistic BRAF and EGFR Inhibition in Colorectal Cancer Cells* | **Clancy’s rm** |
| 2.10pm-2.30pm | **Jonah Duckles (G20)**  AbacusBio  *A Cloud Decoder Ring - Demystifying Cloud Jargon* | **Clancy’s rm** |
| 2.30pm-2.50pm | **Daniel Ho (G21)**  Liggins Institute, University of Auckland  *Machine Learning Identifies the Tissue-Specific Effects of SNPs Associated with the Risk of Developing Type 1 Diabetes* | **Clancy’s rm** |
| 2.50pm-3.10pm | **Alessandra Santana (G22)**  Institute of Environmental Science and Research (ESR)  *A per-sample pathway analysis tool for DNA methylation data* | **Clancy’s rm** |
| 3.10pm-3.30pm | **Evgeniia Golovina (G23)**  Liggins Institute, University of Auckland  *Decoding the comorbidities between psychiatric disorders and cognitive functions* | **Clancy’s rm** |
| 3.30pm-4.00pm | **Afternoon Tea** | **Trade Area** |
| **Discussion Session**  **Chaired by Mik Black (Otago)** | | |
| 4.00pm-5.00pm | **Bioinformatics Community Building** | **Reds Bar** |