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| **QRW Programme**  **Epigenetics**  Thursday 5 September – Friday 6 September, 2019  Rydges Hotel, Queenstown, New Zealand |

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| **Thursday 5 September** | | |
| **Time** | **Details** | **Location** |
| **Session One**  **Chaired by Dr. Amy Osborne (University of Otago)** | | |
| 8.50am – 9.00am | **Introduction and Welcome** | **QT Rees Rm** |
| 9.00am – 9.50am | **Prof. Anthony Hannan (Q1)**  Florey Institute of Neuroscience and Mental Health, University Of Melbourne  *Molecular mediators and epigenetic modulators of cognitive and affective function in mouse models* | **QT Rees Rm** |
| 9.50am – 10.00am | **Amber Helliwell (Q2)**  Department of Biochemistry, School of Biomedical Sciences, University of Otago  *DNA Methylation Changes in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome* | **QT Rees Rm** |
| 10.00am - 10.30am | **Morning Tea** | **Trade Area** |
| **Session Two**  **Chaired by Dr. Rachel Purcell (University of Otago, Christchurch)** | | |
| 10.30am - 11.20am | **Prof. Susan Clark (Q3)**  Garvan Institute Of Medical Research, Sydney  *Alterations in the Cancer Epigenome* | **QT Rees Rm** |
| 11.20am – 11.40am | **Dr. Sarah Diermeier (Q4)**  University of Otago  *Long non-coding RNAs as regulators of gene expression in cancer* | **QT Rees Rm** |
| 11.40am – 12.00pm | **Dr. Andrew Das (Q5)**  University of Otago, Christchurch  *TBA* | **QT Rees Rm** |
| 12.00pm – 12.10pm | **Vishakha Mahajan (Q6)**  The Liggins Institute, The University Of Auckland  *Expression of TETs in epithelial cells across the menstrual cycle* | **QT Rees Rm** |
| 12.10pm – 12.30pm | **A/Prof. Alexey Ruzov (Q7)**  University of Nottingham, UK  *N6-methyladenosine regulates the stability of RNA:DNA hybrids in human cells* | **QT Rees Rm** |
| 12.30pm – 1.30pm | **Lunch** | **Trade Area** |
| **Session Three**  **Chair TBA** | | |
| 1.30pm – 2.20pm | **Prof. Rob Martienssen (Q8)**  Howard Hughes Medical Institute, Cold Spring Harbor Laboratory, New York.  *RNA interference in replication and quiescence* | **QT Rees Rm** |
| 2.20pm – 2.40pm | **Dr. Susan Thomson (Q9)**  The New Zealand Institute for Plant & Food Research Ltd  *Pre-trained for climate change* | **QT Rees Rm** |
| 2.40pm – 3.00pm | **Dr. Chris Winefield (Q10)**  Lincoln University  *Epigenetic regulation of transposon bursts in plant genomes* | **QT Rees Rm** |
| 3.00pm – 3.10pm | **Ting-Hsuan Chen (Q11)**  Lincoln University  *The histone deacetylation inhibitor 4-phenylbutyric acid elevates transcriptional activation of transposable elements in grapevine (Vitis vinifera) embryogenic callus* | **QT Rees Rm** |
| 3.10pm – 3.30pm | **Dr. Darrell Lizamore (Q12)**  Bragato Research Institute, Blenheim  *An overview of the temporary and persistent epigenetic changes that accompany somatic embryogenesis in grapevine* | **QT Rees Rm** |
| 3.30pm – 4.00pm | **Afternoon Tea** | **Trade Area** |
| **Session Four**  **Chaired by Dr. Erin Macaulay (University of Otago)** | | |
| 4.00pm – 4.10pm | **Palak Gujral (Q13)**  The Liggins Institute, University of Auckland  *Characterization and hormonal regulation of histone deacetylases in human endometrium* | **QT Rees Rm** |
| 4.10pm – 5.00pm | **Dr. Boris Novakovic (Q14)**  Murdoch Children's Research Institute, Melbourne  *Epigenomic remodelling in trained immunity* | **QT Rees Rm** |
| 5.00pm | **Close of Day 1** | **QT Rees Rm** |
| 7.00pm | **Social Function** | **The Fat Lamb**  15 Ballarat St |

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| **Friday 6 September** | | |
| **Time** | **Details** | **Location** |
| **Session One**  **Chaired by Dr. Donia Macartney-Coxson (ESR)** | | |
| 9.00am – 9.50am | **Dr. Allan McRae (Q15)**  Institute for Molecular Bioscience, University of Queensland  *TBA* | **QT Rees Rm** |
| 9.50am – 10.00am | **Alexandra Noble (Q16)**  University of Canterbury  *Understanding the relationship between maternal tobacco smoking and offspring conduct disorder: are metastable epialleles present?* | **QT Rees Rm** |
| 10.00am - 10.30am | **Morning Tea** | **Trade Area** |
| **Session Two – Joint Session with Genome Data Science**  **Chair TBA** | | |
| 10.30am – 10.55am | **Dr. Jiří Moravec (Q17)**  University of Otago  *Inferring cancer population history from a single-cell sequencing DNA methylation data* | **QT Rees Rm** |
| 10.55am – 11.10am | **Sreemol Gokuladhas (Q18)**  Liggins Institute, University of Auckland  *Shared regulatory pathways reveal novel genetic correlations between grip strength and neuromuscular disorders* | **QT Rees Rm** |
| 11.10am – 11.35am | **Dr. Miles Benton (Q19)**  Institute of Environmental Science and Research (ESR)  *The Humble Guinea Pig: Cute, Furry and Deserving of a Better Genome Assembly?* | **QT Rees Rm** |
| 11.35am – 12.00pm | **Dr. Elsie Jacobson (Q20)**  The Liggins Institute, University of Auckland  *Hi-C detects novel structural variants in HL-60 and HL-60/S4 cell lines* | **QT Rees Rm** |
| 12.00pm – 12.30pm | **A/Prof John Pearson (Q21)**  University of Otago, Christchurch  *TBA* | **QT Rees Rm** |
| 12.30pm – 1.30pm | **Lunch** | **Trade Area** |
| **Session Three**  **Chaired by Prof. Martin Kennedy (University of Otago, Christchurch)** | | |
| 1.30pm – 2.20pm | **A/Prof. Justin O’Sullivan (Q22)**  The Liggins Institute, University of Auckland  *Integrating the genome organisation into mechanisms of complex diseases* | **QT Rees Rm** |
| 2.20pm – 2.40pm | **Dr. Erin Macaulay (Q23)**  University of Otago  *The placental potential: harnessing insights from placental epigenetics to predict disease* | **QT Rees Rm** |
| 2.40pm – 3.00pm | **Dr. Donia Macartney-Coxson (Q24)**  Institute of Environmental Science and Research (ESR)  *The jejunal methylome differs in individuals with and without type-two diabetes* | **QT Rees Rm** |
| 3.00pm – 3.10pm | **Alessandra Santana (Q25)**  **Institute of Environmental Science and Research (ESR)**  *Hypomethylation of TXNIP in type-two diabetes female case with Māori ancestry: a sex difference reported* | **QT Rees Rm** |
| 3.10pm – 3.20pm | **Chiemi Lynch-Sutherland (Q26)**  University of Otago  *Good genes gone bad: are placental genes hijacked by cancer cells to facilitate invasion?* | **QT Rees Rm** |
| 3.20pm – 4.00pm | **Afternoon Tea** | **Level 5 lobby** |
| **Session Four**  **Chaired by Dr. Amy Osborne (University of Canterbury)** | | |
| 4.00pm – 4.50pm | **Dr. Tim Hore (Q27)**  University of Otago  *Erasing epigenetic memory: Understanding the kinetics and specificity of active DNA demethylation* | **QT Rees Rm** |
| 4.50pm – 5.00pm | **Student prizegiving and closing remarks.** | **QT Rees Rm** |