

QRW Programme

Epigenetics

Thursday 5 September – Friday 6 September, 2019

Rydges Hotel, Queenstown, New Zealand

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) <i>sponsored by Millennium Science New Zealand</i> Florey Institute of Neuroscience and Mental Health, University Of Melbourne <i>Molecular mediators and epigenetic modulators of cognitive and affective function in mouse models</i>	QT Rees Rm
9.50am – 10.00am	Amber Helliwell (Q2) Department of Biochemistry, School of Biomedical Sciences, University of Otago <i>DNA Methylation Changes in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome</i>	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) <i>sponsored by New England Biolab</i> Garvan Institute Of Medical Research, Sydney <i>Alterations in the Cancer Epigenome</i>	QT Rees Rm
11.20am – 11.40am	Dr. Sarah Diermeier (Q4) <i>sponsored by Maurice Wilkins Centre</i> University of Otago <i>Long non-coding RNAs as regulators of gene expression in cancer</i>	QT Rees Rm
11.40am – 12.00pm	Dr. Andrew Das (Q5) University of Otago, Christchurch <i>Creodes and cancer</i>	QT Rees Rm
12.00pm – 12.10pm	Vishakha Mahajan (Q6) The Liggins Institute, The University Of Auckland <i>Expression of TETs in epithelial cells across the menstrual cycle</i>	QT Rees Rm
12.10pm – 12.30pm	Dr. Rowan Herridge (Q7) University of Otago <i>Pseudouridine in small RNAs</i>	QT Rees Rm
12.30pm – 1.30pm	Lunch	Trade Area

Session Three		
Chair TBA		
1.30pm – 2.20pm	Prof. Rob Martienssen (Q8) <i>sponsored by Lincoln University, University of Auckland, School of Biological Sciences</i> Howard Hughes Medical Institute, Cold Spring Harbor Laboratory, New York. <i>RNA interference in replication and quiescence</i>	QT Rees Rm
2.20pm – 2.40pm	Dr. Susan Thomson (Q9) <i>Sponsored by Novogene</i> The New Zealand Institute for Plant & Food Research Ltd <i>Pre-trained for climate change</i>	QT Rees Rm
2.40pm – 3.00pm	Dr. Chris Winefield (Q10) <i>Sponsored by Millennium Science New Zealand</i> Lincoln University <i>Epigenetic regulation of transposon bursts in plant genomes</i>	QT Rees Rm
3.00pm – 3.10pm	Ting-Hsuan Chen (Q11) Lincoln University <i>The histone deacetylation inhibitor 4-phenylbutyric acid elevates transcriptional activation of transposable elements in grapevine (Vitis vinifera) embryogenic callus</i>	QT Rees Rm
3.10pm – 3.30pm	Dr. Darrell Lizamore (Q12) Bragato Research Institute, Blenheim <i>An overview of the temporary and persistent epigenetic changes that accompany somatic embryogenesis in grapevine</i>	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 <i>Characterization and hormonal regulation of histone deacetylases in human endometrium</i>	QT Rees Rm
4.10pm – 5.00pm	Dr. Boris Novakovic (Q14) Murdoch Children's Research Institute, Melbourne <i>Epigenomic remodelling in trained immunity</i>	QT Rees Rm
5.00pm	Close of Day 1	QT Rees Rm
7.00pm	Social Function	The Fat Lamb 15 Ballarat St

Friday 6 September		
Time	Details	Location
Session Five Chaired by Dr. Donia Macartney-Coxson (ESR)		
9.00am – 9.50am	Dr. Allan McRae (Q15) Institute for Molecular Bioscience, University of Queensland <i>Imputing environmental exposures from DNA methylation</i>	QT Rees Rm
9.50am – 10.00am	Alexandra Noble (Q16) University of Canterbury <i>Understanding the relationship between maternal tobacco smoking and offspring conduct disorder: are metastable epialleles present?</i>	QT Rees Rm
10.00am - 10.30am	Morning Tea	Trade Area
Session Six – Joint Session with Genome Data Science Chair TBA		
10.30am – 10.55am	Dr. Jiří Moravec (Q17) University of Otago <i>Inferring cancer population history from a single-cell sequencing DNA methylation data</i>	Clancy's Room
10.55am – 11.10am	Sreemol Gokuladhas (Q18) Liggins Institute, University of Auckland <i>Shared regulatory pathways reveal novel genetic correlations between grip strength and neuromuscular disorders</i>	Clancy's Room
11.10am – 11.35am	Dr. Miles Benton (Q19) Institute of Environmental Science and Research (ESR) <i>The Humble Guinea Pig: Cute, Furry and Deserving of a Better Genome Assembly?</i>	Clancy's Room
11.35am – 12.00pm	Dr. Elsie Jacobson (Q20) The Liggins Institute, University of Auckland <i>Hi-C detects novel structural variants in HL-60 and HL-60/S4 cell lines</i>	Clancy's Room
12.00pm – 12.30pm	A/Prof John Pearson (Q21) University of Otago, Christchurch <i>Epigenetic impact of cannabis use in the Christchurch Health and Development Study</i>	Clancy's Room
12.30pm – 1.30pm	Lunch	Trade Area
Session Seven Chaired by Prof. Martin Kennedy (University of Otago, Christchurch)		
1.30pm – 2.20pm	A/Prof. Justin O'Sullivan (Q22) <i>sponsored by New England Biolabs</i> The Liggins Institute, University of Auckland <i>Integrating the genome organisation into mechanisms of complex diseases</i>	QT Rees Rm
2.20pm – 2.40pm	Dr. Erin Macaulay (Q23) <i>sponsored by Abacus dx</i> University of Otago <i>The placental potential: harnessing insights from placental epigenetics to predict disease</i>	QT Rees Rm

2.40pm – 3.00pm	Dr. Donia Macartney-Coxson (Q24) Institute of Environmental Science and Research (ESR) <i>The jejunal methylome differs in individuals with and without type-two diabetes</i>	QT Rees Rm
3.00pm – 3.10pm	Alessandra Santana (Q25) Institute of Environmental Science and Research (ESR) <i>Hypomethylation of TXNIP in type-two diabetes female case with Māori ancestry: a sex difference reported</i>	QT Rees Rm
3.10pm – 3.20pm	Chiemi Lynch-Sutherland (Q26) University of Otago <i>Good genes gone bad: are placental genes hijacked by cancer cells to facilitate invasion?</i>	QT Rees Rm
3.20pm – 4.00pm	Afternoon Tea	Level 5 lobby
Session Eight Chaired by Dr. Amy Osborne (University of Canterbury)		
4.00pm – 4.50pm	Dr. Tim Hore (Q27) <i>sponsored by Ngaio Diagnostics</i> University of Otago <i>Erasing epigenetic memory: Understanding the kinetics and specificity of active DNA demethylation</i>	QT Rees Rm
4.50pm – 5.00pm	Student prizegiving and closing remarks.	QT Rees Rm