

**QRW Programme**  
**Human Genome and Disease Programme**  
 3-4 September, 2015  
 Rydges Hotel, Queenstown, New Zealand

**Thursday 3 September**

<b>Session 1 Genomic approaches to disease biology</b>		
<b>Chair: Martin Kennedy</b> <i>sponsored by Thermo Fisher Scientific</i>		
<b>Time</b>	<b>Details</b>	<b>Location</b>
8.30am-8.55am	<b>Tony Merriman (GD1)</b> , University of Otago, Dunedin. <i>sponsored by Thermo Fisher Scientific</i> <i>Targetted resequencing in gout</i>	<b>Clancy's Rm</b>
8.55am-9.20am	<b>Kit Doudney (GD2)</b> , Canterbury Health Laboratories, CDHB, Christchurch. <i>Sponsored by SciMed</i> <i>Exome sequencing identifies rare variants in a family with alcohol-induced sudden cardiac death</i>	<b>Clancy's Rm</b>
9.20am-9.45am	<b>Martin Kennedy (GD3)</b> , University of Otago, Christchurch. <i>sponsored by Thermo Fisher Scientific</i> <i>Genomes, earthquakes and broken hearts</i>	<b>Clancy's Rm</b>
9.45am-10.05am	<b>Anna Pilbrow (GD4)</b> , University of Otago, Christchurch. <i>Sponsored by Bio-Rad Laboratories</i> <i>An expression quantitative trait locus (eQTL) map for human heart</i>	<b>Clancy's Rm</b>
10.05am-10.30am	<b>Stephen Robertson (GD5)</b> , University of Otago, Dunedin. <i>Dysregulated splicing of a receptor tyrosine kinase disrupts osteogenesis in humans</i>	<b>Clancy's Rm</b>
10.30am-11.00am	<b>Morning Tea</b>	<b>Trade Area</b>
<b>Session 2 Cancer genomics, methylomics and biobanking</b>		
<b>Chair: Michael Eccles</b>		
11.00am-11.20am	<b>Anita Dunbier (GD6)</b> , University of Otago, Dunedin. <i>Sponsored by Integrated DNA Technologies</i> <i>Epigenetic regulation of genes associated with breast cancer risk and progression</i>	<b>Clancy's Rm</b>
11.20am-11.40am	<b>Logan Walker (GD7)</b> , University of Otago, Christchurch. <i>Sponsored by Bio-Strategy</i> <i>Using splicing assays to interpret variants of unknown clinical significance in BRCA1 and BRCA2</i>	<b>Clancy's Rm</b>
11.40am-12.00am	<b>Ian Morison (GD8)</b> , University of Otago, Dunedin. <i>Patterns of placental methylation and implications for placental disease and cancer</i>	<b>Clancy's Rm</b>
12.00pm-12.20pm	<b>Aniruddha Chatterjee (GD9)</b> , University of Otago, Dunedin. <i>Analysis of paired primary and metastatic cell lines identifies common DNA methylation changes in melanoma metastasis</i>	<b>Clancy's Rm</b>

12.20pm-12.40pm	<b>Andrew Wood (GD10)</b> , University of Auckland <i>Genetic predisposition to neuroblastoma mediated by a LMO1 super-enhancer polymorphism</i>	Clancy's Rm
12.40pm- 1.00pm	<b>Phil Wilcox (GD11)</b> , University of Otago, Dunedin. <i>Biobanking with Māori communities: He tangata kei tua</i>	Clancy's Rm
1.00pm-2.00pm	<b>Lunch</b>	Trade Area
<b>Session 3 Epigenome and disease</b> <b>Chair: Marjan Askarian</b> <i>sponsored by Medi'Ray NZ Ltd</i> <b>JOINT SESSION WITH ANIMAL GENETICS</b>		
2.00pm-2.40pm	<b>Allan McRae (GD12)</b> , Queensland Brain Institute, Brisbane. <i>Genetics of DNA Methylation and Its Role in Disease</i>	Clancy's Rm
2.40pm-3.00pm	<b>Justin O'Sullivan (GD13)</b> , Liggins Institute, University of Auckland. <i>Telling the story of single nucleotide polymorphisms in human growth and disease</i>	Clancy's Rm
3.00pm-3.20pm	<b>Donia McCartney-Coxson (GD14)</b> , ESR, Wellington <i>Sponsored by illumina</i> <i>Obesity and type-two diabetes: the role of epigenetics in disease, and the potential of these mechanisms as biomarkers of disease.</i>	Clancy's Rm
3.20pm-3.40pm	<b>John Pearson (GD15)</b> , University of Otago, Christchurch. <i>DNA Methylation in Patients with a Strong Family History of Early Onset Coronary Heart Disease</i>	Clancy's Rm
3.40pm-4.00pm	<b>Marjan Askarian (GD16)</b> , University of Auckland. <i>sponsored by Medi'Ray NZ Ltd</i> <i>Circular RNA: A new enigma in genome function</i>	Clancy's Rm
4.00pm-4.30pm	<b>Afternoon tea</b>	Trade Area
<b>Session 4 Directing cancer therapies using genomics</b> <b>Chair: Peter Shepherd</b> <i>sponsored by Olympus</i>		
4.30pm-5.00pm	<b>Mark McKeage (GD17)</b> , University of Auckland. <i>sponsored by Thermo Fisher Scientific</i> <i>Treatment of genetically-defined forms of lung cancer</i>	Clancy's Rm
5.00pm-5.30pm	<b>Peter Shepherd (GD18)</b> , University of Auckland. <i>sponsored by Olympus</i> <i>Genomics related to drug response in melanoma</i>	Clancy's Rm
5.30pm-7.00pm	<b>Posters (GD29-GD40) and Drinks</b>	Trade Area
7.30pm	<b>Joint dinner with Animal Genetics</b>	<i>My Thai Restaurant, 1st Floor, Bay Centre 69 Beach Street Queenstown</i>

## Friday 4 September

<b>Session 5 Medical Genomics and Proteins</b> <b>Chair: Cris Print</b> <b>JOINT SESSION WITH COMPUTATIONAL GENOMICS AND ANIMAL GENETICS</b>		
Time	Details	Location
8.30am-9.15am	<b>Erez Lieberman Aiden (GD19)</b> , Baylor College of Medicine <i>3D map of human genome</i>	Ben Lomond Restaurant
9:15am – 9:35am	<b>Ken Dodds (GD20)</b> , AgResearch, Hamilton, NZ <i>Optimization of sequencing effort for relatedness estimation using genotyping-by-sequencing</i>	Ben Lomond Restaurant
9.35am-10.00am	<b>Alicia Oshlack (GD21)</b> , Murdoch Children’s Research Institute; Australia <i>Tumour Transcriptomes: going beyond expression profiling</i>	Ben Lomond Restaurant
10.00am-10.30am	<b>Morning tea</b>	Trade Area
<b>Session 6 Translational Genomic Medicine Workshop</b> <b>Chair: Cris Print</b>		
10.30am-12.00pm	<b>Moderated discussion (GD22):</b> high cost targeted therapies, genomic diagnostics and clinical genetics/counselling within a NZ health care setting. <b>Ben Lawrence</b> , University of Auckland. <b>Mark McKeage</b> , University of Auckland. <i>sponsored by Thermo Fisher Scientific</i> <b>Jackie Evans</b> , Pharmac, Wellington. <b>Bryan Betty</b> , Pharmac, Wellington.	Clancy’s Rm
12.00pm-12.15pm	<b>Chris Hakkaart (GD23)</b> , University of Otago, Dunedin. <i>Screening for predisposition for gastric cancer in Māori</i>	Clancy’s Rm
12.15pm-12.30pm	<b>Sandra Fitzgerald (GD24)</b> , University of Auckland. <i>Can formalin-fixed paraffin-embedded (FFPE) tissue be sequenced consistently?</i>	Clancy’s Rm
12.30pm-2.00pm	<b>Lunch</b>	Trade Area
<b>Session 7 Genes, Mutations and Function</b> <b>Chair: Russell Snell</b> <b>JOINT SESSION WITH ANIMAL GENETICS</b>		
2.00pm – 2.45pm	<b>Jerry Taylor (GD25)</b> , University of Missouri, USA <i>Adventures in next-generation sequencing</i>	Ben Lomond Restaurant
2.45pm-3.00pm	<b>Tara Richman (GD26)</b> , Harry Perkins Institute of Medical Research, The University of Western Australia, Perth. <i>Mutation in MRPS34 compromises protein synthesis and causes mitochondria dysfunction</i>	Ben Lomond Restaurant
3.00pm-3.15pm	<b>Tania Fink (GD27)</b> , Livestock Improvement Corporation, Hamilton, New Zealand. <i>DGAT1 K232A mutation and its complex effects on gene expression</i>	Ben Lomond Restaurant
3.15pm-4.00pm	<b>Elinor Karlsson (GD28)</b> , Broad Institute, USA. <i>From Ancient History to Modern Medicine: Selection, Disease, and Genome Function</i>	Ben Lomond Restaurant
4.00pm	<b>Russell Snell</b> , University of Auckland Closing comments for both satellite meetings	Ben Lomond Restaurant
4.05pm	<b>Afternoon tea available</b>	Level 5 Area