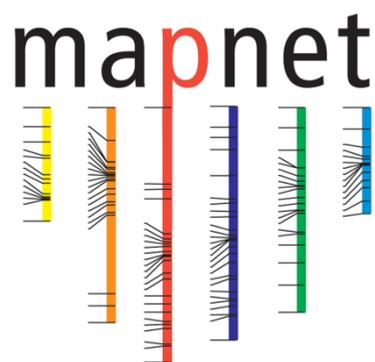


11th Annual Meeting



1-2 Sept 2016, Nelson, New Zealand

PROGRAMME DAY 1		
Thursday Sept 1	From	To
Registration	7.45am	8.15am
Welcome –	8.15am	8.30am
Session 1 – Microbial Genetics With thanks to our session sponsor: Chair: Donia Macartney-Coxson <div style="text-align: right; margin-top: 10px;">  </div>		
Heather Hendrickson, Massey University – Predicting routes of horizontal gene transfer using completely sequenced genomes	8.30am	9.05am
Justin O’Sullivan, University of Auckland – The <i>Escherichia coli</i> nucleoid: an organized structure that is shaped by replication and transcription.	9.05am	9.30am
Una Ren, ESR – PacBio methylome sequencing of <i>Neisseria meningitidis</i> – potential associations with disease	9.30am	9.55am
Morning tea	9.55am	10.30am
Session 2 – Statistical Genetics With thanks to our session sponsor: Chairs: Tony Merriman and David Changé <div style="text-align: right; margin-top: 10px;">  </div>		
Heather Cordell, University of Newcastle, UK - Causal modeling of relationships between genotype and phenotype using multi-omics data	10.30am	11.20am
Karl Broman, University of Wisconsin – R/qt12: System genetic analysis in multi-parent populations	11.20am	12.10pm
Wenhua Wei, University of Otago – Variance GWAS	12.10pm	12.30pm
Lunch – Poster session	12.30pm	1.30pm

Session 3 – Ecological Genetics

With thanks to our session sponsor:

Chair: Thomas Buckley**NEW ZEALAND'S
BIOLOGICAL
HERITAGE**Ngā Koiora
Tuku Iho

Brad Shaffer, University of California LA - Conservation genomics	1.30pm	2.20pm
Bruce Robertson, University of Otago – Kakapo genome	2.20pm	2.50pm
Stephanie Galla, University of Canterbury – Bird conservation genomics	2.50pm	3.10pm
Selected abstract	3.10pm	3.25pm
Selected abstract	3.25pm	3.40pm

Afternoon tea	3.40pm	4.00pm
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Session 4 – Aquaculture Genetics

With thanks to our session sponsors:

Chair: Shannon Clarke and Maren Wellenreuther

James Kijas, CSIRO – Genetic diversity in Tasmanian Atlantic Salmon and prospects for GWAS and genomic prediction	4.00pm	4.40pm
Steve Bird, Waikato University – Genomes, gene discovery and fish immunity	4.40pm	5.10pm
Rachael Ashby, University of Otago/AgResearch – Making a splash: using genomics to aid the New Zealand aquaculture industry	5.10pm	5.30pm
Maren Wellenreuther, Plant and Food Research - Phenotyping and genomic resources for domestication of the marine finfish snapper (<i>Chrysophrys auratus</i>)	5.30pm	5.50pm
Selected abstract	5.50pm	6.00pm

Dinner – Deville

7.00pm

10.00pm

With thanks to



PROGRAMME DAY 2

Friday 2 September

Session 5 – New Technologies in Plant Genetics shared with Plant Satellite

With thanks to our session sponsor:

Chair: Jeanne Jacobs



Charles Brummer, University of California, Davis – Genomics assisted yield improvement in alfalfa - Are we making more hay?	8.30am	9.10am
David Chagné – Manuka genome assembly using chromosome conformation capture Hi-C analysis	9.10am	9.30am
Jaroslav Klapšte – Genotyping-by-sequencing platform to recover genetic relatedness	9.30am	9.50am
Nick Roberts, AgResearch – Predicting the future of C3 plants using a modified small structural protein	9.50am	10.10am

Morning tea

10.10am 10.45am

Session 6 – Diabetes Genetics Maurice Wilkins Centre shared session

With thanks to our session sponsors:

Chair: Rinki Murphy and Peter Shepherd



MAURICE WILKINS CENTRE
FOR MOLECULAR BIODISCOVERY

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Steve McGarvey, Brown University – GWAS for weight in Samoans	10.45am	11.30am
Tony Merriman, University of Otago - Genetics of type 2 diabetes in Maori and Pacific people	11.30am	11.50am
Rinki Murphy, University of Auckland	11.50am	12.10pm
Selected abstract	12.10pm	12.25pm
Selected abstract	12.25pm	12.40pm

Lunch

12.40pm 1.30pm

Session 7 – Animal Genetics

With thanks to our session sponsor:

Chair: Shannon Clarke



James Kijas, CSIRO – SheepGenomesDB used to identify genomic features impacted by domestication and selection	1.30pm	2.10pm
Chris Couldrey, Livestock Improvement Corporation – Sequence variation currently not utilized in genomic selection of New Zealand dairy cattle	2.10pm	2.40pm
Suzanne Rowe, AgResearch – High-density genotyping of the New Zealand sheep industry	2.40pm	3.10pm
Selected abstract	3.10pm	3.25pm

Selected abstract	3.25pm	3.40pm
Selected abstract	3.40pm	3.55pm
Afternoon tea and close	3.30pm	