



MAPNET 2022

14-16 March 2022Online via Zoom

Programme

Monday 1	4 March		
Master of cere	emony: Samantha Baldwin (Plant & Food Research)		
9:00 am	Mihi and welcome Karaitiana Taiuru, Taiuru & Associates Ltd and Phillip Wilcox, University of Otago		
Convenor: Me	lissa Taane (Plant & Food Research)		
9:20 am	Karaitiana Taiuru Māori Data Sovereignty: An introduction and implementation using Te Tiriti principles		
10:05 am	Short break		
10:20 am	Ben Te Aika Genomic Medicine Pathfinder: A pathfinder programme to develop capability and infrastructure for research into personalised genomic-data informed medicine for Aotearoa New Zealand		
11:05 am	Phillip Wilcox and Huti Watson		
	Aotearoa Variome Project: an update		
12:05 pm	Lunch break		
12:25 pm	Lunch networking		
Convenor: Su	san Thomson (Plant & Food Research)		
12:55 pm	Aisling Rayne Looking to the past to navigate the future: Weaving place-based knowledge for culturally significant species in the age of genomics		
1:35 pm	Andrew Griffiths Capturing global genetic diversity in a white clover core collection using pooled GBS		
2:00 pm	Roy Costilla Accelerating genetic gains in New Zealand dairy sheep		
2:25 pm	Kathryn McRae Tools for the identification of genomic regions influencing response to disease in New Zealand sheep		
2:50 pm	Julie Blommaert Transposable element dynamics in Sparidae genomes		
3:10 pm	Close for day		

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9:00 am	Welcome		
Convenor: Rebecca Bloomer (Plant & Food Research)			
9:05 am	Jeffrey Endelman		
	Haplotype Reconstruction and QTL Mapping in Tetraploid Diallel Populations		
10:00 am	Bruce Weir		
	A new look at identity by descent: relatedness for inbred populations		
10:45 am	Short break		
11:00 am	Olivia Angelin-Bonnet		
	Investigating genotype-phenotype relationships for tuber bruising in autotetraploid potatoes		
11:45 am	Networking		
12:30 pm	Lunch break		
Convenor: John McCallum (Plant & Food Research)			
1:00 pm	Speaker TBC		
1.25 pm	John McCallum		
	Building R Statistical Genetics Workflows as Task Graphs with the Targets Package		
1:50 pm	Gancho Slavov		
r	Genomics enabled Management of Radiata Pine		
2:15 pm	Jamie Macalister		
	Developing a model for genomic selection of low gluten epitope wheat		
2:40 pm	Prethbotr Chan		
	Genome-wide association study for milk traits in New Zealand dairy sheep		
3:05 pm	Close for the day		

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Wednesday 16 March				
9:00 am	Welcome			
9:05 am	Illumina sponsor video			
Convenor: Margaret Carpenter (Plant & Food Research)				
9:10 am	Sara Montanari			
	A multiplexed plant-animal SNP array for selective breeding and species conservation applications			
9:35 am	John McEwan Low-cost methods of quantifying disease challenge infection whilst simultaneously genotyping the host via sequencing-based assays			
10:00 am	Alex Caulton Systematic evaluation of assays to profile DNA methylation: application for livestock breeding			
10:25 am	Sandeep Gupta			
	Development of an Recombinase Polymerase Amplification assay for rapid in-field detection of Oryctes rhinoceros nudivirus in coconut rhinoceros beetle			
10:50 am	Short break			
11.05 am	Genotyping breakout discussion groups			
12:05 pm	Lunch break			
Convenor: Margaret Carpenter (Plant & Food Research)				
1:05 pm	Timothy Bilton			
	Rumen microbiome information as a proxy phenotype for enteric methane emissions in the New Zealand livestock industry			
1:30 pm	Christina Flammensbeck			
	Snapper like it hot: growth and gene expression in response to temperature			
1:55 pm	Breakout groups			
	What is needed by the MapNet community moving forward			
2:25 pm	Come back and summary			
2:40 pm	Thank you and closing/ karakia			

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