

QRW Programme

Plant Biology

Thursday 30 August – Friday 31 August, 2018

Rydges Hotel, Queenstown, New Zealand

Thursday 30 August

Time	Details	Location
Session 1: Plant Evolution Chaired by Kim Snowden (Plant & Food Research)		
8:50am – 9:00am	Welcome and Introduction: Kim Snowden	
9:00am-9.30am	John Bowman (P1) Monash University <i>Evolution of land plant body plans</i>	
9:30am-10.00am	Luca Comai (P2) University of California, Davis <i>Goods and evils of plant genomic instability</i>	
10:00am-10:30am	Morning Tea	
Session 2: Development Chaired by Toshi Foster (Plant & Food Research)		
10:30am-11:00am	Christine Beveridge (P3) University of Queensland <i>Shoot branching including the role of strigolactones and interactions with other signals</i>	
11:00am-11:30am	Marcus Heisler (P4) University of Sydney <i>Investigating the formation and function of boundary-localised organisers in plant development.</i>	
11:30am-11:50am	Kim Johnson (P5) <i>sponsored by Mediray</i> La Trobe University <i>Cell Wall sensors and their roles in plant growth and development</i>	
11:50am-12:10pm	Lynnette Brownfield (P6) University of Otago <i>Male germ-line specification in flowering plants</i>	
12:10pm-12:25pm	Mauren Jaudal (P7) University of Auckland <i>A SOC1-like gene MtSOC1a promotes flowering and primary stem elongation in the model temperate legume Medicago</i>	
12:25pm-1:30pm	Lunch	
Session 3: Social Licence (joint with Applied Genetics Technologies & Marine Biology) Chaired by Revel Drummond (Plant & Food Research)		
1:30pm-1:45pm	Barry Scott (P8) Massey University <i>The implications of gene editing technology for New Zealand</i>	
1:45pm-2:00pm	Julie Everett-Hincks (P9) University of Otago <i>Gene editing in Aotearoa - legal considerations</i>	

2:00pm-2:15pm	Maui Hudson (P10) University of Waikato <i>Social License or Cultural License: Is there a difference?</i>	
2:15pm-2:30pm	Jim Sinner (P11) Cawthron Institute <i>Social license in the marine environment: Dissecting the discourse</i>	
2:30pm-2:45pm	Damien Mather (P12) University of Otago <i>Conflicts between agricultural and tourism sectors: evidence for solutions</i>	
2:45pm-3:00pm	Timothy Strabala (P13) Environmental Protection Authority <i>The regulation of GMOs in New Zealand</i>	
3:00pm-3:15pm	Mariska Wouters (P14) MfE <i>Gene editing technology: how they fit in New Zealand's policy framework</i>	
3:15pm-3:30pm	General Discussion	
3:30pm-4.00pm	Afternoon Tea	
Session 4: Student competition talks Chaired by Jo Putterill (University of Auckland) Sponsored by the Joint Graduate School in Plant and Food Science		
4:00pm-4:15pm	Ramadoss Dhanushkodi (P15) Massey University <i>Drought-induced senescence of <i>Medicago truncatula</i> nodules involves serpin and ferritin to control proteolytic activity and iron levels</i>	
4:15pm-4:30pm	Geoffrey Thomson (P16) University of Auckland <i>Transcriptomic response to a short day to long day shift in the reference legume <i>Medicago truncatula</i></i>	
4:30pm-4:45pm	Ting-Hsuan Chen (P17) Lincoln University <i>Identification of active transposable elements in Pinot noir embryogenic callus</i>	
4:45pm-5:00pm	Nikolai Macnee (P18) University of Auckland <i>Molecular control of skin formation in kiwifruit</i>	
5:00pm-5:15pm	Jian Guo (P19) Chinese Academy of Agricultural Sciences <i>Large scale structure variation (SV) profiling reveals genetic diversity in peach</i>	
5:20pm-5:45pm	Lightning presentations Poster authors to give 2 min summaries of their posters	
5:45pm-6:30pm	Poster session Social mixer with drinks and nibbles sponsored by pH Scientific and Merck	

Friday 31 August		
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Session 5: Resilient Plants Chaired by Bruce Veit (Massey University)		
8:45am-9:10am	Peri Tobias (P20) University of Sydney <i>Molecular markers for resistance to myrtle rust in Australian Myrtaceae</i>	
9:10am-9:35am	Rebecca Bloomer (P21) Plant & Food Research <i>Epigenetics and environmental perception: WLC is required for the memory of winter</i>	
9:35am-10:00am	Kevin Davies (P22) Plant & Food Research <i>Regulation of the flavonoid pathway in the liverwort <i>Marchantia polymorpha</i> for abiotic stress tolerance</i>	
10:00am-10:30am	Morning Tea	
Session 6: Signalling and networks Chaired by Bart Janssen (Plant & Food Research)		
10:30am-10:45am	Winners announced for student talk and poster prizes	
10:45am-11:15am	Neelima Sinha (P23) University of California, Davis <i>Interactions between the parasitic plant <i>Cuscuta</i> and its tomato host</i>	
11:15am-11:45am	Clay Carter (P24) University of Minnesota <i>Conserved metabolic pathways and associated regulatory networks for the synthesis and secretion of nectar</i>	
11:45am-12:05pm	Cyril Hamiaux (P25) Plant & Food Research <i>Inhibition of strigolactone receptors by N-phenylanthranilic acid derivatives</i>	
12:05pm-1:30pm	Lunch	
Session 7: Genomes and gene expression Chaired by Kathy Schwinn (Plant & Food Research)		
1:30pm-2:00pm	Rob Martienssen (P26) Cold Spring Harbor Laboratory <i>Epigenetically activated small RNAs are modified in pollen and mediate chromosome segregation and dosage</i>	
2:00pm-2:20pm	Sarah Pilkington (P27) Plant & Food Research <i>Gender in kiwifruit</i>	

2:20pm-2:40pm	Ross Atkinson (P28) Plant & Food Research <i>A single complex locus is responsible for the production of multiple flavour-related terpenes in ripe kiwifruit</i>	
2:40pm-3:00pm	Paul Boss (P29) CSIRO <i>Developing a new generation of grapevine cultivars: markers for consumer traits.</i>	
3:00pm-3:15pm	Soledad Perez-Santangelo (P30) University of Otago <i>Role of the 5'-3' mRNA decay pathway in fine-tuning of the circadian clock in the model plant Arabidopsis thaliana</i>	
3:15pm-3:30pm	John McCallum (P31) Plant & Food Research <i>Dissecting GxE Effects on Wheat Development</i>	
3:30pm-4:00pm	Afternoon Tea	
Session 8: Genome editing for plants (joint with Applied Genetic Technologies) Chaired by Gregory Bryan (AgResearch)		
4:00pm-4:25pm	Andrew Allan (P32) Plant & Food Research <i>New breeding technologies for fruit trees</i>	
4:25pm-4:50pm	Glen Thorlby (P33) Scion <i>Biotechnology and Forest Trees in New Zealand</i>	
4:50pm-5:15pm	Charleson Poovaiah (P34) Scion <i>Developing Gene editing technology in conifers</i>	
5:15pm-5:30pm	Revel Drummond (P35) Plant & Food Research <i>CRISPR Fruit: three bites at the problem</i>	
5:30pm-5:40pm	Closing remarks for both meetings	
7:00pm-7:10pm	Welcome to public movie screening	
7:10pm-8:40pm	FOOD EVOLUTION Movie	
8:30pm-9:30pm	Panel discussion / Q&A: Alison van Eenennaam (UC Davis), Gregory Bryan (AgResearch/ZeaKal), Tony Conner (AgResearch), Aroha Te Pareake Mead (Ngāti Awa, Ngāti Porou)	

We are extremely grateful for the support of our sponsors, including Queenstown Research Week sponsors and our Satellite specific sponsors.

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