

## QRW Programme

### Plant Biology

Thursday 30 August – Friday 31 August, 2018

Rydges Hotel, Queenstown, New Zealand

## Thursday 30 August

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

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

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

2:20pm-2:40pm	<b>Ross Atkinson (P28)</b> Plant & Food Research <i>A single complex locus is responsible for the production of multiple flavour-related terpenes in ripe kiwifruit</i>	Queenstown Room
2:40pm-3:00pm	<b>Paul Boss (P29)</b> CSIRO <i>Developing a new generation of grapevine cultivars: markers for consumer traits.</i>	Queenstown Room
3:00pm-3:15pm	<b>Soledad Perez-Santangelo (P30)</b> 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>	Queenstown Room
3:15pm-3:30pm	<b>John McCallum (P31)</b> Plant & Food Research <i>Dissecting GxE Effects on Wheat Development</i>	Queenstown Room
3:30pm-4:00pm	<b>Afternoon Tea</b>	Trades Area
<b><u>Session 8: Genome editing for plants (joint with Applied Genetic Technologies, Marine Biology)</u></b> <b>Chaired by Gregory Bryan (AgResearch)</b>		
4.00pm-4.25pm	<b>Andrew Allan (G30)</b> Plant and Food <i>New breeding technologies for fruit trees</i>	Queenstown Room
4.25pm-4.50pm	<b>Glenn Thorlby (G31)</b> Scion <i>Biotechnology and Forest Trees in New Zealand</i>	Queenstown Room
4.50pm-5.15pm	<b>Charleson Poovaiah (G32)</b> Scion <i>Developing Gene editing technology in conifers</i>	Queenstown Room
5.15pm-5.30pm	<b>Revel Drummond (G33)</b> Plant and Food Research <i>CRISPR Fruit: three bites at the problem</i>	Queenstown Room
5:30pm-5:40pm	<b>Closing remarks for all meetings</b>	Queenstown Room
7:00pm-7:10pm	<b>Welcome to public movie screening</b>	Clancy's Room
7:10pm-8:40pm	<b>FOOD EVOLUTION Movie</b>	Clancy's Room
8:40pm-9:30pm	<b>Panel discussion / Q&amp;A:</b> Alison van Eenennaam (UC Davis), Gregory Bryan (AgResearch/ZeaKal), Tony Conner (AgResearch), Aroha Te Pareake Mead (Ngāti Awa, Ngāti Porou)	Clancy's Room

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

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