

## QRW Programme - Draft

### 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>	<b>Leave blank at this stage - TBC</b>
9:00am-9.30am	<b>John Bowman (P1)</b> Monash University <i>Evolution of land plant body plans</i>	
9:30am-10.00am	<b>Luca Comai (P2)</b> University of California, Davis <i>Goods and evils of plant genomic instability</i>	
10:00am-10:30am	<b>Morning Tea</b>	
<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>	
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>	
11:30am-11:50am	<b>Kim Johnson (P5)</b> La Trobe University <i>Cell Wall sensors and their roles in plant growth and development</i>	
11:50am-12:10pm	<b>Lynnette Brownfield (P6)</b> University of Otago <i>Male germ-line specification in flowering plants</i>	
12:10pm-12:25pm	<b>Mauren Jaudel (P7)</b> 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	<b>Lunch</b>	
<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>	
1:45pm-2:00pm	<b>Julie Everett-Hincks (P9)</b> University of Otago <i>Gene editing in Aotearoa - legal considerations</i>	

2:00pm-2:15pm	<b>Maui Hudson (P10)</b> University of Waikato <i>Social License or Cultural License: Is there a difference?</i>	
2:15pm-2:30pm	<b>Jim Sinner (P11)</b> Cawthron Institute <i>Social license in the marine environment: Dissecting the discourse</i>	
2:30pm-2:45pm	<b>Damien Mather (P12)</b> University of Otago <i>Conflicts between agricultural and tourism sectors: evidence for solutions</i>	
2:45pm-3:00pm	<b>Timothy Strabala (P13)</b> Environmental Protection Authority <i>The regulation of GMOs in New Zealand</i>	
3:00pm-3:15pm	<b>Mariska Wouters (P14)</b> MfE <i>Gene editing technology: how they fit in New Zealand's policy framework</i>	
3:15pm-3:30pm	<b>General Discussion</b>	
3:30pm-4:00pm	<b>Afternoon Tea</b>	
<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>	
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>	
4:30pm-4:45pm	<b>Ting-Hsuan Chen (P17)</b> Lincoln University <i>Identification of active transposable elements in Pinot noir embryogenic callus</i>	
4:45pm-5:00pm	<b>Nikolai Macnee (P18)</b> University of Auckland <i>Molecular control of skin formation in kiwifruit</i>	
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>	
5:20pm-5:45pm	<b>Lightning presentations</b> Poster authors to give 2 min summaries of their posters	
5:45pm-6:30pm	<b>Poster session / Social mixer</b>	
<b>Friday 31 August</b>		
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<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>	
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>	
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>	
10:00am-10:30am	<b>Morning Tea</b>	
<b>Session 6: Signalling and networks</b> <b>Chaired by Bart Janssen (Plant &amp; Food Research)</b>		
10:30am-10:45am	<b>Winners announced for student talk and poster prizes</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>	
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>	
11:45am-12:05pm	<b>Cyril Hamiaux (P25)</b> Plant & Food Research <i>Inhibition of strigolactone receptors by <i>N</i>-phenylanthranilic acid derivatives</i>	
12:05pm-1:30pm	<b>Lunch</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>	
2:00pm-2:20pm	<b>Sarah Pilkington (P27)</b> Plant & Food Research <i>Gender in kiwifruit</i>	
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>	
2:40pm-3:00pm	<b>Paul Boss (P29)</b> CSIRO	

	<i>Developing a new generation of grapevine cultivars: markers for consumer traits.</i>	
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>	
3:15pm-3:30pm	<b>John McCallum (P31)</b> Plant & Food Research <i>Dissecting GxE Effects on Wheat Development</i>	
3:30pm-4:00pm	<b>Afternoon Tea</b>	
<b><u>Session 8: Genome editing for plants (joint with Applied Genetic Technologies)</u></b> <b>Chaired by Gregory Bryan (AgResearch)</b>		
4:00pm-4:25pm	<b>Andrew Allan (P32)</b> Plant & Food Research <i>New breeding technologies for fruit trees</i>	
4:25pm-4:50pm	<b>Glen Thorlby (P33)</b> Scion <i>Biotechnology and Forest Trees in New Zealand</i>	
4:50pm-5:15pm	<b>Charleson Poovaiah (P34)</b> Scion <i>Developing Gene editing technology in conifers</i>	
5:15pm-5:30pm	<b>Revel Drummond (P35)</b> Plant & Food Research <i>CRISPR Fruit: three bites at the problem</i>	
5:30pm-5:40pm	<b>Closing remarks for both meetings</b>	
7:00pm-7:10pm	<b>Welcome to public movie screening</b>	
7:10pm-8:40pm	<b>FOOD EVOLUTION Movie</b>	
8:30pm-9:30pm	<b>Panel discussion / Q&amp;A:</b> Alison von Eenedaam (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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