

QRW Programme

Plant-Microbe Interactions

Sunday 3 – Monday 4 September, 2017
Rydges Hotel, Queenstown, New Zealand

Saturday 2 September

Time	Details	Location
7.00pm - 9.00pm	Dinner at Coalfire Barbeque Bar for invited speakers	15 Ballarat St, The Mall, Queenstown

Sunday 3 September

Time	Details	Location
8.30am - 8.35am	Welcome : Barry Scott & Peter Solomon Massey University & Australian National University	Clancy's Room
<u>Plant-Fungal Interactions</u> Chaired by Carl Mesarich (Massey University)		
8.35am - 9.05am	Sarah Gurr (P1) University of Exeter, UK <i>The global movement of plant pests and pathogens: implications for food security</i>	Clancy's Room
9.05am - 9.35am	Günther Doehleemann (P2) University of Köln, Germany <i>Modulation of cysteine proteases in the maize – Ustilago maydis interaction</i>	Clancy's Room
9.35am - 9.55am	Jonathan Anderson (P3) CSIRO Agriculture and Food, Australia <i>The broad host range fungal pathogen Rhizoctonia solani adjusts its infection strategy depending on the host but can be kept at bay by ethylene and phytoalexin mediated defences</i>	Clancy's Room
9.55am – 10.15am	Carolyn Young (P4) The Noble Research Institute, USA <i>Taming a root rot pathogen: Integration of geospatial technologies for disease management</i>	Clancy's Room
10.15am - 10.50am	Morning Tea	Trades Area
<u>Plant-Bacterial Interactions</u> Chaired by Honour McCann (Massey University)		
10.50am - 11.25am	James Alfano (P5) University of Nebraska, USA <i>Pseudomonas syringae pathogenesis of plants: effectors and immunity</i>	Clancy's Room
11.25am - 11.50am	Nijat Imin (P6) University of Auckland, NZ <i>Peptide hormones: positive and negative regulators of root and nodule development in response to nitrogen availability</i>	Clancy's Room

11.50am - 12.10pm	John Sullivan (P7) <i>sponsored by Scimed</i> University of Otago, NZ <i>Symbiotic phenotypes of exopolysaccharide mutants of Mesorhizobium loti indicate that the host plant differentially perceives both wild-type and truncated EPS</i>	Clancy's Room
12.10pm - 12.30pm	Jay Jayaraman (P8) Massey University, Palmerston North, NZ <i>Pseudomonas syringae pv. actinidiae effector HopZ5 is an acetyltransferase triggering accession specific HR, dependent on SOBER1, in Arabidopsis</i>	Clancy's Room
12.30pm - 1.45pm	Lunch	Trades Area
Host-Pathogen Interactions Chaired by Simon Williams (Australian National University)		
1.45pm - 2.20pm	Paul Birch (P9) James Hutton Institute, University of Dundee, UK <i>The delivery and activity of effector proteins from Phytophthora infestans to suppress host immunity</i>	Clancy's Room
2.20pm - 2.50pm	Rosie Bradshaw (P10) Massey University <i>Effector discovery and functional analysis in the kauri dieback pathogen</i>	Clancy's Room
2.50pm - 3.10pm	Joanna Bowen (P11) Plant & Food Research, NZ <i>The response of WRKY transcription factors and pathogenesis-related proteins to Venturia inaequalis challenge in apple</i>	Clancy's Room
3.10pm - 3.30pm	Susan Breen (P12) CSIRO, Australian National University, Australia <i>Host induced gene silencing and exogenous RNA application for the control of Puccinia species on wheat cultivars.</i>	Clancy's Room
3.30pm - 4.00pm	Afternoon Tea	Trades Area
Genomes and Genomics Chaired by Megan McDonald (Australian National University)		
4.00pm - 4.30pm	Diane Saunders (P13) John Innes Centre, UK <i>Genome guided interrogation of a cereal invader</i>	Clancy's Room
4.30pm - 4.55pm	Jana Sperschneider (P14) CSIRO Agriculture and Food, Australia <i>Using machine learning to decipher how plant pathogens cause disease</i>	Clancy's Room
4.55pm - 5.15pm	James Hane (P15) Curtin University, Australia <i>'Ome Truths: bioinformatics approaches for the study of adaptation mechanisms in pathogen genomes and their pathogenicity effector proteins</i>	Clancy's Room
5.15pm - 5.35pm	David Winter (P16) Massey University <i>A finished Epichloë festucae genome</i>	Clancy's Room
6.00pm - 7.30pm	Poster Session <i>sponsored by Mediray</i> Social Mixer <i>sponsored by BGI</i>	Trades Area

Monday 4 September

Time	Details	Location
Plant Immunity Chaired by Matt Templeton (Plant & Food, Auckland) sponsored by Millennium Science New Zealand		
8.30am - 9.05am	John Rathjen (P17) Australian National University, Australia <i>Plant malectin kinase targets of the bacterial effector AvrPtoB</i>	Clancy's Room
9.05am - 9.35am	Simon Williams (P18) sponsored by Merck & pH Scientific Australian National University, Australia <i>Elucidating the structural basis of effector-induced susceptibility in the Parastagonospora nodorum – wheat interaction</i>	Clancy's Room
9.35am - 9.55am	Diana Ortiz (P19) INRA, France <i>Recognition of the Magnaporthe oryzae effector AVR-Pia by the decoy domain of the rice NLR immune receptor RGA5</i>	Clancy's Room
9.55am - 10.15am	Bostjan Kobe (P20) University of Queensland, Australia <i>Toward understanding TIR-domain function during plant NLR immunity receptor signaling</i>	Clancy's Room
10.15am - 10.50am	Morning Tea	Trades Area
Plant-Microbe Interactions Chaired by Rosie Bradshaw (Massey University)		
10.50am - 11.20am	Uta Paszkowski (P21) University of Cambridge, UK <i>Membrane dynamics during arbuscule formation in rice</i>	Clancy's Room
11.20am - 11.50am	Alga Zuccaro (P22) University of Köln, Germany <i>Plant immunity impacting beneficial interactions</i>	Clancy's Room
11.50am - 12.30pm	Fast forward: 8x 5 min student abstract presentations	Clancy's Room
12.30pm - 1.45pm	Lunch	Trades Area
Population Genetics Chaired by David Winter (Massey University)		
1.45pm - 2.20pm	Megan McDonald (P23) Australian National University, Australia <i>A new origin for ToxA in three Dothideomycete wheat pathogens</i>	Clancy's Room
2.20pm - 2.50pm	Honour McCann (P24) Massey University, Albany, NZ <i>The origin of an emergent plant disease</i>	Clancy's Room
2.50pm - 3.10pm	Elena Colombi (P25) Massey University, Albany, NZ <i>Evolution of copper resistance in the kiwifruit pathogen Pseudomonas syringae pv. actinidiae</i>	Clancy's Room

	<i>through acquisition of integrative conjugative elements and plasmids</i>	
3.10pm - 3.30pm	Christina Straub (P26) Massey University, Albany, NZ <i>A Trojan horse in the kiwifruit phyllosphere?</i>	Clancy's Room
3.30pm - 4.00pm	Afternoon Tea	Trades Area
Host-pathogen Interactions Chaired by Joanna Bowen (Plant & Food Ltd, NZ)		
4.00pm - 4.30pm	Gero Steinberg (P27) University of Exeter, UK <i>Live cell imaging of pathogenic fungi reveals novel fungicide mode of action</i>	Clancy's Room
4.30pm - 5.00pm	Joe Spraker (P28) University of Arizona, USA <i>Intimate bacterial-fungal interactions mediated by interkingdom chemical communication</i>	Clancy's Room
5.00pm - 5.15pm	Alan Little (P29) University of Adelaide <i>Cell wall composition and biosynthetic machinery of the fungal pathogen Fusarium graminearum</i>	Clancy's Room
5.15pm - 5.30pm	Nazanin Noorifar (P30) Massey University, Palmerston North, NZ <i>Remodelling of cell wall chitin in endophytic hyphae of Epichloë festucae in the symbiotic interaction with Lolium perenne and role of LysM proteins</i>	Clancy's Room
6.00pm - 7.00pm	6.00pm Opening Remarks 6.15pm Plenary talk Nobel prize winner Dr Bruce Beutler - 2011 Nobel Prize in Physiology or Medicine, for "discoveries concerning the activation of innate immunity" University of Texas, USA <i>Sponsored: University of Otago</i>	Queenstown Room
7.00pm – 9.00pm	Opening Night Mixer <i>sponsored by Merck & pH Scientific</i>	Trades Area, Rydges Hotel