

Crowne Plaza Gold Coast 29 - 31 October 2024



Draft Program Outline

	Tuesday 29 th October		
0830 – 1715	Registration Open		
0930 – 1000	Morning Tea		
1000 – 1200	Session 1		
	Chair: Andrew Geering, with co-chair: Bao Ton		
1000 – 1015	Fiona Filardo: Opening. Acknowledgement to country		
1015 – 1030	Paul Campbell: Tomato spotted wilt virus resistance breaking strains in Australia		
1030 – 1045	Satomi Hayashi: Exploring the source of TYLCV resistance in <i>Nicotiana benthamiana</i> : a potential novel source of resistance for combatting a		
	major disease in the field		
1045 - 1100	Solomon Maina: Pea seed-borne mosaic virus genomes, reveals distinct lentil strain phylogroup; Biosecurity implications?		
1100 – 1200	R.E.F Matthews Lecture:		
	Edward Holmes: Redefining virus ecology and evolution using metagenomics		
1200 – 1300	Lunch		
1300 – 1455	Session 2 - Biosecurity & emerging viruses 1		
	Chair: Kathy Crew, with co-chair: Eyal Zeira		
1300 – 1330	Andrew Geering: The untold history of banana bunchy top disease		
1330 – 1345	Mignon de Jager: Is phytoplasma titre correlated with symptom development in Banana Wilt Associated Phytoplasma disease in Papua New		
	Guinea?		
1345 – 1400	Grant Chambers: Updating diagnostics for graft-transmissible citrus pathogens		
1400 – 1415	Joanne Mackie: Comovirus viciae genomes generated from historical isolates: Step 1 in designing new molecular diagnostics		
1415 – 1430	Denis Persley : Johnsongrass mosaic virus: resistance of maize in Australian and implications for preparedness for maize lethal necrosis		
1430 – 1445	Ruvini Lelwala: Early detection of viruses and viroids in imported Citrus germplasm undergoing post-entry quarantine using a small RNA		
	Sequencing (sRNASeq) workflow		
1445 – 1450	Poster Presentation: Marilyn Apa: Distribution of begomovirus in Papua New Guinea (PNG)		
1450 – 1455	Poster Presentation: Madhav Jatin Chandarana : Viruses associated with <i>Agaricus</i> mushrooms in Australia		
1455 – 1525	Afternoon Tea		

^{**} Please note that this is a draft program and subject to change 20240805

1525 – 1720	Session 3 - New tools & technologies 1
1323 - 1720	Chair: Monica Kehoe, with co-chair: Manda Wang
1525 – 1530	QIAGEN 3 min talk
1530 – 1545	Lia Liefting: The use of high-throughput sequencing for plant virus diagnostics at the New Zealand Ministry for Primary Industries
1545 - 1615	Felipe de Felippes: MicroRNA-induced gene silencing (MIGS): the tool of choice for silencing viral genes and to confer multi-virus protection in
13.13	plants
1630 – 1645	Mark Jackson: An infectious clone assembly approach to rapidly develop mild cross protecting strains of citrus tristeza virus
1645 – 1700	Tonny Kinene : Tile amplicon sequencing: A comprehensive approach for potato virus Y (PVY) strain detection and characterization
1700 - 1720	Nicole Thompson: Tomato Brown Rugose Fruit Virus detection and emergency response in South Australia
1800 – 2000	Welcome BBQ
	Wednesday 30 th October
0830 - 1730	Registration Open
0900 – 1035	Session 4 - Plant-virus interactions
	Chair: Anthony James, with co-chair: Madhav Chandarana
0900 – 1000	KEYNOTE: Marco Incarbone : Investigating the antiviral defences protecting plant stem cells and germline from infection
1000 – 1015	Colleen Higgins: Lettuce necrotic yellows virus subgroups elicit different responses in the model host Nicotiana glutinosa
1015 – 1030	Roshni Rohra: Grapevine leafroll-associated virus 3: molecular evolution, biological variation, and host response
1030 – 1035	Poster Presentation: Sinethemba Nkosi : CRISPR/Cas9 gene editing towards resistance to the Banana bunchy top virus in banana
1035 – 1100	Morning Tea
1100 – 1230	Session 5 - Plant virus diversity & detection
	Chair: David Lovelock, with co-chair: Wei-An (Vivien) Tsai
1100 – 1115	Ben Congdon: Clade divination phenotypic data facilitates epidemiological inferences from soybean dwarf virus sequence analysis
1115 – 1130	Flavia Sarti Bonora: Enhancing DNA and RNA extraction quality for viral detection in horticultural seeds
1130 – 1145	Eyal Zeira: Diversity of Orthotospovirus impatiensnecromaculae (impatiens necrotic spot virus; INSV) in Australia
1145 – 1200	Julia Mulabisana: Uncovering the diversity of viruses infecting leafy vegetables in South Africa, and their impact on the fresh weight of the leaves
1200 – 1215	Ram B. Khadka: Prevalence and incidence of lentil viruses in Nepal
1215 – 1220	Poster Presentation: Nazanin Nazeri : Investigating the correlation between cucumber mosaic virus (CMV) titre in narrow-leafed lupin tissues and
	seed transmission rates
1220 – 1225	Poster presentation: Craig Webster: Direct testing of potato tubers for plant viruses and implementation in a seed potato testing scheme
1225 – 1230	Poster Presentation: Bao Ton : A system for evaluation of transgenic turnip mosaic virus resistance in <i>Brassica napus</i> plants
1230 – 1330	Lunch
1330 – 1515	Session 6 - Virus-vector interactions
	Chair: Bec Roach, with co-chair: Jingfeng Liang
1330 – 1430	KEYNOTE: Veronique Brault : Polerovirus, host plants and aphid vector: in the secret of a "ménage à trois"
1430 – 1445	Narelle Nancarrow: Transmission and host range of yellow dwarf virus species recently reported in Australia
1445 – 1500	Mohammad Aftab: Viruses in canola and aphids in western Victoria

1500 – 1515	Rebecca Gough : Unlocking biocontrol potential: Should we adopt <i>Botrytis cinerea</i> as a mycovirus model system?		
1515 – 1545	Afternoon Tea		
1545 – 1715	Session 7 - Biosecurity & emerging viruses 2		
	Chair: Solomon Maina, with co-chair: Mignon de Jager		
1545 – 1615	Richard Davis & Lynne Jones: How great passion, good will and a love for the tropics creates magic - the part that plant virus and virus-like		
	diseases have played through 35 years of Northern Australia Quarantine Strategy plant health surveys		
1615 – 1630	Fiona Filardo: What do lettuce chlorosis virus, yambean mosaic virus and an unknown cogu virus have in common?		
1630 – 1645	Shamila Abeynayake: Small RNA-omics and Long-Read Sequencing Integrated Strategy for Characterisation of Novel Plant Viruses		
1645 – 1700	Candace Elliott: Preparing for the transition of banana quarantine and diagnostics to Mickleham		
1700 – 1715	Mohammad Ansar: Adaptation of mono and bipartite Begomovirus species in cucurbit crops: an emerging concern of Northern India		
1800 – 2100	APVW Dinner Kurrawa Surf Club		
	Thursday 31 st October		
0830 – 1500	Registration Open		
0930 – 1030	Session 8 - Plant virus ecology, disease epidemiology & management 1		
	Chair: Robin McDairmid, with co-chair: Nora Derbal		
0930 - 0945	Benjamin Congdon: Field effectiveness of foliar systemic insecticides, a neonicotinoid-based seed treatment, and partial resistance to control		
	turnip yellows virus in canola		
0945 – 1000	Wei-An (Vivien) Tsai: Investigating resistance breakdown and alternative management strategies for tomato yellow leaf curl virus		
1000 – 1030	APVW Panel: Where to from here?		
1030 – 1100	Morning Tea		
1100 – 1230	Session 9 – New tools and technologies 2		
	Chair: Flávia Bonora, with co-chair: Narelle Nancarrow		
1100 – 1115	Joshua Linn: Digital PCR in plant virus detection: Advancing precision, sensitivity, and efficiency		
1115 – 1130	Chris Brosnan: Nanoparticle-mediated delivery of VIGS vectors for protecting citrus from HLB		
1130 – 1145	Marie-Emilie Gauthier: ONTViSc: a customisable nextflow pipeline for the identification and detection of viral genomes from Oxford Nanopore		
	sequencing		
1145 – 1200	Dawit Kidanemariam: Development of badnavirus infectious clones for research in taro and banana		
1200 – 1205	Poster Presentation: Nandita Pathania : Exploring phages as promising biocontrol agents for managing bacterial diseases in plants		
1205 – 1220	Rebecca Roach: Genome sequencing of phages infecting plant associated Enterobacter species		
1230 - 1330	Lunch		
1330 – 1500	Session 10 – Plant virus ecology, disease epidemiology & management 2		
	Chair: Nicole Thompson, with co-chair: Roshni Rohra		
1330 – 1345	Roger Jones: Seed transmission of turnip mosaic virus to seedlings of Brassica juncea		

1345 – 1400	Jingfeng Liang : Spray application of dsRNA targeting the CP of ZYMV reduces mechanical and aphid transmitted infection incidence in glasshouse grown <i>Cucurbita pepo</i>
1400 – 1405	Poster presentation: Mianmian Wang: RNA interference against the Green Peach Aphid, Myzus persicae (Hemiptera)
1405 – 1420	Eloise Martin: Managing potyviruses in cucurbit crops by host resistance
1420 – 1440	Closing remarks
1500	Close

