



Pathogen Bioinformatics 2018

A one-day pathogen bioinformatics symposium hosted by the
Australasian Plant Pathology Society

Register at: auspathbio2018.eventbrite.com.au All are welcome to register!

APPS members: Free! non-members: \$25. (includes lunch and tea/coffee)

28th Nov 2018
Agribio,
La Trobe Uni
Melbourne



Celebrating 50 YEARS
1969-2019

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www.appsnet.org

Emerging diseases and population genetics

Honor McCann, Massey University, NZ.	Emergence and Evolution of Plant Infectious Disease
Jana Batovska, Agriculture Victoria/La Trobe.	Developing innovative molecular tools for arbovirus surveillance
Merran Neilson, NTDPIR, Northern Territory.	Genetic characterisation of <i>Xanthomonas citri</i> subsp. <i>citri</i> causing citrus canker in the NT and WA in 2018
Jed Calvert, QAAFI, University of Queensland.	Effects of seasonal drought and host identity on endophytic fungal communities in forests of Cape York, Northern Australia

Transcriptomics

Mark Derbyshire, CCDM, Curtin University, WA.	<i>Sclerotinia sclerotiorum</i> small RNAs highlight plant targets associated with quantitative disease resistance
Chi Cao, SABC, Murdoch University, WA.	Studying roles of mycovirus in the three way symbiotic relationship between plants, fungi and mycovirus through small rna profiles
Jefferson Allan, CCDM, Curtin University, WA.	Differential gene expression of <i>Sclerotinia sclerotiorum</i> genes in the hosts <i>Brassica napus</i> (canola) and <i>Lupinus angustifolius</i> (narrow-leaved lupin)

Sequence analysis and data visualisation

Thomas Shafee, LIMS/LIAF, La Trobe University.	Sequence analysis for hyper-variable proteins: finding order in chaos
Harinda Rajapaksha, LIMS, La Trobe University.	Shiny apps for 'Omics research

Genome characterisation

Paula Moolhuizen, CCDM, Curtin University, WA.	Comparative genomics of the wheat fungal pathogen <i>Pyrenophora tritici-repentis</i> reveals ancillary gene groups
Kar-Chun Tan, CCDM, Curtin University, WA.	Dissecting the <i>Parastagonospora nodorum</i> -wheat pathosystem with genetics
Darcy Jones, CCDM, Curtin University, WA.	Pangenomics and gene clustering of <i>Parastagonospora nodorum</i>
Saidi Achari, Agriculture Victoria/La Trobe.	Mining <i>Fusarium oxysporum</i> for effectors

Diagnostics technology

Monica Kehoe, DPIRD, Western Australia	Nanopore sequencing in Plant Virology
Vivian Ricon-Florez, QAAFI, University of Queensland.	Development and validation of a PrimeTime real-time PCR for the early detection of banana blood disease

