



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



APPS

Celebrating 50 YEARS

1969-2019

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www.appsnet.org



Emerging diseases and population genetics

Honor McCann,

Massey University, NZ.

Jana Batovska,

Agriculture Victoria/La Trobe.

Merran Neilson,

NTDPIR, Northern Territory.

Jed Calvert,

QAAFI, University of Queensland.

Emergence and Evolution of Plant Infectious Disease

Developing innovative molecular tools for arbovirus surveillance

Genetic characterisation of *Xanthomonas citri* subsp. *citri* causing citrus canker in the NT and WA in 2018

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.

Chi Cao,

SABC, Murdoch University, WA.

Jefferson Allan,

CCDM, Curtin University, WA.

Sclerotinia sclerotiorum small RNAs highlight plant targets associated with quantitative disease resistance

Studying roles of mycovirus in the three way symbiotic relationship between plants, fungi and mycovirus through small rna profiles

Differential gene expression of *Sclerotinia sclerotiorum* genes in the hosts *Brassica napus* (canola) and *Lupinus angustifolius* (narrow-leaved lupin)

Sequence analysis and data visualisation

Thomas Shafee,

LIMS/LIAF, La Trobe University.

Harinda Rajapaksha,

LIMS, La Trobe University.

Sequence analysis for hyper-variable proteins: finding order in chaos

Shiny apps for 'Omics research

Genome characterisation

Paula Moolhuizen,

CCDM, Curtin University, WA.

Kar-Chun Tan,

CCDM, Curtin University, WA.

Darcy Jones,

CCDM, Curtin University, WA.

Saidi Achari,

Agriculture Victoria/La Trobe.

Comparative genomics of the wheat fungal pathogen *Pyrenophora tritici-repentis* reveals ancillary gene groups

Dissecting the *Parastagonospora nodorum*-wheat pathosystem with genetics

Pangenomics and gene clustering of *Parastagonospora nodorum*

Mining *Fusarium oxysporum* for effectors

Diagnostics technology

Monica Kehoe,

DPIRD, Western Australia

Vivian Ricon-Florez,

QAAFI, University of Queensland.

Nanopore sequencing in Plant Virology

Development and validation of a PrimeTime real-time PCR for the early detection of banana blood disease