



ASPS 2021

Adelaide – Brisbane – Canberra –
Hobart – Melbourne – Perth – Sydney



Queensland Node

Gardens Theatre Foyer, X Block, QUT Gardens Point Campus

8:00-8:30am

Check-in

8:30am

Welcome (Brett Williams, QUT)

8:50

Session 1 – Plant Responses to the Environment (Linh Thi My Hoang (QUT) & Celine Mens (UQ))

Michael Udvardi – Legume genomics: from models to crops for Australia's sub-tropics

Stephanie Kerr – Characterising the function of key flowering genes in tree crops

Xitong Chu – Spatiotemporal changes in gibberellin content are required for soybean nodulation

Nipuni Thantrige – Transgenic expression of AtBAG4 in chickpea improve drought stress tolerance without affecting nodulation and nitrogen fixation

Ha Thi Thuy Nguyen – Exploring Australian wild rice for salinity stress tolerance in cultivated rice *Oryza sativa* L.

Parastoo Karimian - The dimer of death; Identifying a role for G-proteins in plant cell death signalling

10:30am

Morning Tea

11:00am

Session 2 – Biotechnological Applications in Agriculture (Pauline Asami (UQ) and Sudipta das Bhowmik (QUT))

Peter Crisp – Stable unmethylated DNA demarcates expressed genes and their CIS-regulatory space in plant genomes

Felipe de Felippes – A new plant terminator element inhibits small RNA generation and improves gene expression by decreasing read-throughtranscription

Lee Hickey – Designer crops come of age

Karen Massel – Grain quality in *Sorghum bicolor* using gene editing approaches

Mark Jackson – Genome editing of interfering proteases greatly improves the biological range of *Nicotiana benthamiana* for the expression of peptides in plants

Satomi Hayashi – Investigating the roles of the RNA Dependent RNA Polymerase family in plant defence and development in *Nicotiana benthamiana*

Yasmine Lam – Expanding the limits of roots: manipulating root architecture in sorghum and barley using CRISPR/Cas9 gene-editing

12:30-1:00pm

Lunch

1:00-3:15pm

ASPS joint Awards session (Online Webinar)

Goldacre Award Seminar: Joanna Melonek (UWA) - Unlocking the genetic secret of cytoplasmic male sterility and fertility restoration in cereals

Jan Anderson Award Seminar: Kim Johnson (La Trobe) - Developing a passion for cell walls

FBP Best paper: Ximeng Li (Western Sydney) - Water regulation of cotton plants and its response to climate change

Education and Outreach: Kim Johnson and Monika Doblin (La Trobe) - A taste of tomorrow

RN Robertson Lecture: Christine Beveridge (UQ) - Network thinking for shoot architecture and path to impact in food production





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3:15-3:45pm

Afternoon Tea

3:45-4:30pm

Lightning Talks (Moderators: April Hastwell (UQ) & Brett Williams (QUT))

Natsumi Maruta – Structural and functional characterisation of a plant innate immune receptor

Annie Nguyen – Drivers of biodiversity in eastern Australia's volcanic forests

Hao Long – Investigation of Bcl-2 3' UTR mediated plant stress tolerance

Onkar Nath – Genomic insights into the Hass Avocado

Alexandria Mattison – Identifying CLE peptide candidates involved in legume-pathogen interaction signalling

Shanice Van Haeften – Exploring variation in key traits to improve mungbean productivity

Abhishek Bajpai – Testing the activity of cyclotides against soil nematodes

Estelle Grundy – Functional characterisation of a novel resistance gene involved in symbiotic nitrogen fixation

Charlotte Rambla – Rapid manipulation of root traits in elite wheat cultivars

4:30-4:45pm

Closing and Thank you (April Hastwell (UQ))

6:00pm til late

Evening Mixer/Dinner, Ship Inn, Southbank

We are grateful to our sponsors:

