ASPS 2021

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

ASPS 2021
AUSTRALIAN SOCIETY OF PLANT SCIENTISTS
25th November 2021

CANBERRA NODE

8:30-8:55 **Registration @ ANU Commons rooms – 3 Rimmer St, Acton**

9:00-10:30 **Welcome/Session 1**

Julian Greenwood – Genome-wide association study uncovers novel alleles of two rice blast resistance genes

Florence Danila – An atlas of plasmodesmata density between photosynthetic cells throughout early leaf development of C3 and C4 species

Jessica Hyles – Disruption of the photoperiodic flowering response in Australian wheat cultivar, Revenue

Bayantes Dagvadorj – Parastagonospora nodorum effector ToxA interacts with wheat NHL proteins to induce Tsn1-mediated cell death

Samantha McGaughey – A selectivity switch in the Arabidopsis aquaporin AtPIP2:1: ion and water permeability differentially regulated by kinases

10:30-11:00 **Morning Tea**

11:00-11:20 **Rapid talks**

Rose Zhang – Photosynthetic and nodulation responses of Medicago truncatula under elevated CO2 conditions

Upul Vithanage – Using targeted metabolomics to identify flavonoids in root exudates during the interaction of chickpea with nitrogen-fixing symbionts and root knot nematodes

Angus Rae – New methods for confocal imaging of infection threads in crop and model legumes

Pinhui Wang – The identification of flavonoids which can modulate polar auxin transport during nodule development in Medicago truncatula

11:20-12:40 **Session 2**

Pieter-Willem Hendriks – A recurrent selection for increased shoot vigour in wheat modified root hair length and epidermal cell size in the roots and leaves.

Annamaria De Rosa – Deciphering aquaporin functional roles in salt-secreting mangrove Avicennia marina.

Maria Ermakova – Expression of the CO2-permeable aquaporin SiPIP2;7 enhances CO2 diffusion in leaves of C4 species Setaria viridis

Daniel Yu – A new structural family of effectors from Fusarium oxysporum adopt a dual-domain fold

Spencer Whitney – Enhancing Rubisco catalysis improves plant growth

12:40-2:00pm **Lunch**

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2:00-4:15pm ASPS joint Awards session

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

CSIRO PUBLISHING

4:30-5pm Mixer followed by BBQ Dinner @ 6pm

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