ASPS 2021

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

ASPS 2021
AUSTRALIAN SOCIETY OF PLANT SCIENTISTS
25th November 2021

8:00-8:45 **Registration**

8:50 **Welcome/Session 1**

Yinglong Chen – Phenotyping root trait variability for improved adaptation to edaphic stress
Linh Ton – Recovering turnip mosaic virus from infected desiccated leaf material, prior to canola transformation using CRISPR/Cas13 system
Lukas Hunziker – Can we identify wheat resistance markers to *Septoria nodorum* blotch using proteomics?
Mabel Gill-Hille – Presequence translocase-associated motor (PAM) subunits in Arabidopsis are targeted to mitochondria and chloroplasts
Nathan Tivendale – How does auxin affect primary metabolism to provide energy for growth and development?
Xuyen Le – The mitochondrial pyruvate carrier (MPC) complex is one of three pyruvate-supplying pathways that sustain Arabidopsis respiratory metabolism

11:00-13:00 **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

13:00-14:30 **Lunch & Posters**

14:30-15:50 **Session 2**

Caitlin Moore – What's the flux? Using flux towers to understand photosynthesis and respiration at the ecosystem scale
Sabrina Davies – Understanding bushfire-induced seed germination
Christopher Baros – The Regulatory Evolution of C4-associated Carbonic Anhydrase in the Genus *Flaveria*
Shu Tong Liu – Nitrate-uptake restraint in *Banksia* spp. (Proteaceae) and *Melaleuca* spp. (Myrtaceae) from a severely phosphorus-impoverished environment
Bhagya Dissanayake – Proteomic analysis of bread wheat lines that differ in salt tolerance mechanisms reveals novel metabolic insights of root adaptations to salinity stress

16:20-17:40 **Session 3**

Monica Murcha – Insights into Complex I regulation.
Sang Huynh – The molecular mode of action for restorer-of-fertility-like proteins in plant mitochondria
Catherine Colas de Francs-Small – Targeted cleavage of mitochondrial transcripts induced by modified pentatricopeptide repeat proteins in *Arabidopsis thaliana*
Abi Ghifari – A tale of two PAPs: Proline-cleaving aminopeptidases PAP1 and PAP2 involved in plant mitochondrial and chloroplastic processing pathway
Glenda Oh – What does Alternative Oxidase do for *Arabidopsis thaliana*?

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