ASPS 2021

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

ASPS 2021

AUSTRALIAN SOCIETY OF PLANT SCIENTISTS

25th November 2021

Adelaide Meeting - Thursday 25th November
National Wine Centre

Day 1 Program

8:50 am	**Registration (Tea and coffee available on arrival)**
9:10 am	**Welcome**
9:15 – 10:30 am	***Session 1 (Chairs Dr. Scott Boden and Dr. Abdeljalil El Habti)***
	Dr. Phil Brewer - Strigolactones promote yield retention in suboptimal conditions
	Alison Gill - Impact of drought stress on industrial hemp (*Cannabis sativa*)
	Dr. Abdeljalil El Habti - Manipulation of stomata to increase yield potential in wheat
	Dr. Haoyu Lou - *Cellulose synthase-like (Csl)* genes control barley root growth and differentiation
	Poster talks (5 min each)
	Lucas Allen - Fire effects and pruning management strategies in vineyard recovery
	Zane Marks - The role of oxidative stress in seed priming to Improve seed germination and vigour
	Thi Thanh Hoai Phan - Arabidopsis Plasma membrane Intrinsic Protein AtPIP2;1 has a salinity conditional effect on seed germination
10:30 – 11:00 am	**Morning tea, networking, posters**
11:00 – 12:30 pm	***Session 2 (Chairs Assoc. Prof Jenny Mortimer and Dr. Haoyu Lou)***
	Dr. Megan Shelden - Unravelling root growth responses to salt stress in barley
	Dr. Daniel McKay - The pH of the Trans Golgi Network is involved in osmotic stress responses and is regulated by the ion symporter CCC1
	Dr. Jiaen Qiu - Plant aquaporin mediated cation-H_2O transport regulation by multiple mechanisms"
	Dr. James Cowley - Plantago as myxospermous models with modern utility
	Na Sai - StomaAI (SAI): Fast and simple automated quantification of stomatal parameters
	Dr. Beth Loveys - The role of peer techers in improving learning outcomes in undergraduate plant science teaching
12:30 – 1:30 pm	**Lunch, networking, posters**

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1:30 – 3:45 pm	***Session 3: ASPS Award Lectures (Chair Dr. Peter Ryan; 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
3.45 – 4:15 pm	**Afternoon tea, networking, posters**
4:15 – 5:30 pm	***Session 4 (Chair Prof. Matt Gilliham)***
	Poster talks (5 min each)
	Dr. Sam Henderson - A plant endomembrane cation-chloride cotransporter VvCCC displays potassium-chloride symporter activity in Xenopus oocytes
	Ying Meng - The role of GABA under salt and hypoxia stress
	Aaron Phillips - The reference genome of *Oryza australiensis* - a wild rice with multi-stress tolerance
4:30 – 5:30 pm	***EMCR Plant Science Forum (Q & A)***
	Panel members: Prof. Rachel Burton (UA), Dr. Allison Pearson (GRDC)
6:30 – 10:00 pm	**Dinner at Yiasou George, East Terrace, Adelaide**

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Adelaide Meeting - Friday 26th November
National Wine Centre

Day 2 Program

8:50 am	**Tea and coffee on arrival**
9:00 – 10:15 am	***Session 5 (Chairs Dr. Crystal Sweetman and Lauren Philp-Dutton)***
	Dr. Sunita Ramesh - Picrotoxin delineates different transport configurations for malate and γ aminobutyric acid through TaALMT1
	Dr. Bo Xu - γ-Aminobutyric acid (GABA) improves drought resilience via negative regulation of ALMT9
	Dr. Apriadi Situmorang - Barley tillering modification by CRISPR-Cas9-induced mutation of strigolactone biosynthesis and signalling pathway
10:00 – 10:15 am	***Poster talks (5 mins each)***
	Ben Hayward - Using remote sensing to explore the effects of vineyard floor management
	Willem Joubert - Impacts of vineyard floor management practices on shiraz vine performance
	Barry Rainbird - Role of the mitochondria in the hypersensitive response
	Chelsea Matthews - Getting a foothold in Pangenomics
10:15 – 10:45 am	**Morning tea, networking, posters**
10:45 – 11:30 am	***Session 6 (Chairs Dr Sunita Ramesh and Dr Sam Henderson)***
	Dr. Marcos Bonada - Modelling the potential vineyard management practices to counteract heatwaves
	Lina Herliana - *Plantago ovata* genome assembly and annotation
	Nicholas Booth - Nodulin 26, a plant aquaporin, is a non-selective monovalent cation channel in nitrogen-fixing soybean nodules
11:30 – 12:30 pm	**ASPS Annual General Meeting (Online)**
12:30 – 12:40 pm	**Closing Comments and Awards Ceremony**
12:40 – 1:30 pm	**Lunch**

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