ASPS 2021

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

ASPS 2021
AUSTRALIAN SOCIETY OF PLANT SCIENTISTS
25th November 2021

VICTORIAN NODE

Forum Theatre, Arts West, The University of Melbourne

THE UNIVERSITY OF MELBOURNE

8.30-8.55	**Check-in**
9.00-9.05	**Welcome** (Mike Haydon, Uni Melb)
9.05-9.50	**Session 1A – Plant Physiology and Development** (John Golz, Uni Melb)
9.05-9.20	Patrick Allen 'Complex complexes: unravelling transcriptional regulation in Arabidopsis seeds'
9.20-9.35	Chris Buckley 'A polymorphism in *EARLY FLOWERING 3* is associated with natural variation for circadian period in Arabidopsis and highly seasonal climates'
9.35-9.50	Fiona Kang 'Elucidating the biological function of two members of glycosyltransferase family 47 in *Marchantia polymorpha*
9.55-10.40	**Session 1B – Plants and environment** (Sridevi Sureshkumar, Monash)
9.55-10.10	Sneha Gupta 'Right place, right time: Connecting soil N and plant uptake for greener agriculture'
10.10-10.25	Allene Macabuhay 'Growth promotion and heat stress amelioration in Arabidopsis through inoculation with *Paraburkholderia phytofirmans* PsJN'
10.25-10.40	Oscar Fung 'Annotation and characterisation of the *TaHRZ* gene family in bread wheat as gene editing targets for iron biofortification'
10.40-11.10	**Morning Tea**
11.10-11.55	**Session 2A – Plant networks and systems** (Mat Lewsey, La Trobe)
11.10-11.25	Lim Chee Liew 'A single-cell resolution transcriptome atlas of the germinating Arabidopsis embryo'
11.25-11.40	Lucas Reber 'Translational regulation of the circadian clock in Arabidopsis'
11.40-11.55	Sachinthani Karunarathne 'Wound response as a genetic model for vascular tissue regeneration – gene therapy for wound trees?'
12.00-12.45	**Session 2B – From lab bench to the field** (Tatiana Soares da Costa, La Trobe)
12.00-12.15	Pavani Nadiminti 'Nanoparticles as next generation sustainable agrochemical delivery vehicles'
12.15-12.30	Emily Mackie 'Towards the development of herbicide cocktails targeting lysine biosynthesis'
12.30-12.45	Cecilia Blomstedt 'Investigation into the molecular regulation of cyanogenesis in Sorghum crop wild relatives'
12.45-2.00	**Lunch**

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2.00-4.15 **ASPS Awards Session** (Online Webinar)

Peter Goldacre Medal – Joanna Melonek, UWA
'Unlocking the genetic secret of cytoplasmic male sterility and fertility

Jan Anderson Award– Kim Johnson, La Trobe
'Developing a passion for cell walls'

Education & Outreach Award – Kim Johnson & Monica 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'

4.15-4.45 **Afternoon tea**

4.45-5.30 **Student Plant Science, 3-Minute Thesis** (Fiona Kang and Chris Buckley, Uni Melb)

Pipob Suwanchaikasem	'Priming industrial hemp with exogenous chitosan to boost plant defense'
Alicia Quinn	'Distribution of cyanogenesis in the grasses (Poaceae)'
Maheshika Herath	'Identification of regulatory elements regulating MUM2 using a suppressor screen'
Carolyn Vlasveld	'Worldwide diversity and distribution of heteroblasty'
Joshua Boyte	'GIGANTEA: connection between ethylene signalling and the circadian clock'
Harry Myrans	'Patterns of cyanogenesis along aridity clines'
Uyen Vu Thuy Hong	'Insights into opium poppy genetic diversity from genotyping-by-sequencing'
Hsiang-Wen Chen	'Leaf pavement cell formation? CMU1 and microtubules are the key'

6.00-9.00 **Evening mixer** (BBQ and Drinks in the Systems Garden)

We are grateful to our sponsors

We also acknowledge the support of
QUT, Centre for Agriculture and the Bioeconomy
University of Tasmania, Biological Sciences
University of Adelaide, Waite Research Institute
Flinders University, College of Science and Engineering
ANU, Research School of Biology