## Australian Society of Plant Scientists (ASPS) Queensland Node Conference 2024



Location: Abel Smith Lecture Theatre, UQ St Lucia Campus (Room 23-101)
 Date: 28<sup>th</sup> November 2024

🍀 Session	🖸 Time
• Registration	8.00-8.30
<ul> <li>Welcome and Opening</li> </ul>	8:30 - 8:45
Nipuni Thanthrige	
<ul> <li>Keynote Seminar</li> </ul>	8:50 - 9:20
Chair: Peter Prentis	
Dr Edward Gilding - Department of Agriculture and Fisheries	
Atypical characteristics of albumin-1 genes in a basal Phaseoleae are linked to defence peptide cyclisation	
<ul> <li>Session 1: Discovery Research</li> </ul>	9:25 - 10:25
Chairs: Peter Crisp, Stephanie Kerr	
Buddhini Ranawaka	
Factors affecting genome editing in plants	
Alexandria Mattinson	
Regulation of P. vulgaris CLAVATA3/EMBRYO SURROUNDING-related (CLE) Peptides During Pathogenic Interactions	
Anuradha De Silva	
Mimicry of stress tolerant proteins from related wild species to improve crops tolerance	
Caitlin Dudley	
Time to flowering and flowering duration in mungbean are unrelated physiological traits with independent genetic controls	

Morning Tea & Networking	10:25 - 10:55
<ul> <li>Session 2: Translational Research</li> </ul>	10:55 – 11:55
Chairs: Brett Williams, Pauline Okemo	
Stephanie Kerr	
Using Functional Genomics To Characterise The Genetic Pathways Regulating Flowering In Horticultural Tree Crops	
• Juel Datta Genomic approaches to investigate the molecular mechanisms of phase transition period in Citrus species	
• <b>Stephanie Brunner</b> A haplotype-based approach to exploring genotype by environment interactions for barley yield	
• Shanice Van Haeften Tapping into genebanks to reveal geographic patterns of temperature adaptation in chickpea	
e Lunch	11:55 - 12:30
🔀 ASPS Award Seminars – Virtual	12:30 - 3:15
Chairs: Martha Ludwig and Lynette Brownfield	
NZSPB Roger Slack Award - David Chagné	
ASPB Goldacre Award – Peter Crisp     ASPD Education Award – Address Isone & Devicemin Schwerzeingen	
<ul> <li>ASPB Education Award - Ashley Jones &amp; Benjamin Schwessinger</li> <li>Break</li> </ul>	
<ul> <li>NZSPB elected fellow to the NZ Royal Society - Andy Allan and Kevin Davies</li> </ul>	
<ul> <li>ASPB Jan Anderson – Jenny Mortimer</li> </ul>	
ASPB JG Wood – Sergey Shabala	
Afternoon Tea	3:15 - 3:45
Session 3: Flash Talks	3:45 - 4:35
Chairs: Yasmine Lam, Grace Weston-Olliver, Juel Datta, Chamilka Ratnayake	
• Ming Cheng Maximising pineapple production by controlling flowering time using CRISPR/Cas9	
• Andrea Putri Subroto Establishment of Protoplast Isolation and PEG-Mediated Transformation for a Pilot Study of Genome Editing in Avocado by Targeting the PDS gene	

4:35 - 4:45
6:30 until late