

ICLGG 2024 PROGRAM

Please note program is subject to change. All timings are in Australian Eastern Standard Time. Latest as at 27/09/2024

ON-SITE PROGRAM Monday 30 September 2024	
12:00pm - 6:30pm	Registration and information desk Foyer
12:00pm - 12:45pm	Arrival Tea and Coffee Foyer
SESSION 1 1:00pm - 3:05pm	Session 1A
Theme	Enabling technologies
Room	Boulevard Auditorium
Session chair	Dr Dugald Reid, La Trobe University and Grace Weston-Olliver, The University of Queensland
1:00pm - 1:30pm	100 Improving food security in West Africa: the case of an insect-resistant cowpea in Nigeria and Ghana Keynote speaker: Dr Jose Barrero Sanchez, CSIRO
1:30pm - 1:45pm	101 Genome wide methylome and CRISPR/dCas9-based gene activation in Medicago truncatula Dr Kiran Mysore, Oklahoma State University
1:45pm - 2:00pm	102 Induced genetic variation: Precision breeding utilizing conventional breeding technologies Dr Agnieszka Nielsen, Traitomic
2:00pm - 2:15pm	103 Genetic Characterisation of Plant Genetic Resources at the Australian Grains Genebank Dr Kerrie Forrest, Agriculture Victoria
2:15pm - 2:30pm	104 A role for gene editing in breeding chickpea for future protein Dr Mel Bain, CSIRO
2:30pm - 2:45pm	105 Genetic diversity in nutritional and phytochemical compositions of cowpea [<i>Vigna unguiculata</i> (L) Walp] germplasm tested under dryland farming system in South Africa Dr Abe Gerrano, Agricultural Research Council

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2:45pm - 3:00pm	<p>106 Development of SNP based marker in urdbean for MYMIV resistance using transcriptome and candidate gene analysis Dr Debjyoti Sen Gupta, ICAR-Indian Institute of Pulses Research, Kanpur, India</p>
3:00pm - 3:05pm	<p>Lightning talks:</p> <p>107 Expression profiling studies for elucidation of drought tolerance mechanism in horsegram (<i>Macrotyloma uniflorum</i>) Dr Rakesh Chahota, Csk Himachal Pradesh Agriculture University Palampur</p>
3:05pm - 3:30pm	<p>Afternoon tea and exhibition Foyer</p>
Theme	Opening session – Linking genomics and breeding
Room	Boulevard Auditorium
Session chair	Prof Michael Udvardi and Prof Peter Gresshoff, The University of Queensland
3:30pm - 4:00pm	<p>Conference welcome and opening ceremony Welcome to Country</p> <p>ICLGG Chair Address by Prof Michael Udvardi, The University of Queensland Acknowledgment of sponsors</p> <p>Acknowledgment of Grains Research & Development Corporation (GRDC) as platinum sponsor of the conference and the welcome reception</p> <p>Grains Research & Development Corporation (GRDC) welcome address by Francis Ogonnaya, Senior Manager Genetic Technologies, Pulses</p> <p>Boulevard Auditorium</p>
4:00pm - 4:30pm	<p>Invited I: Opening session – Linking genomics and breeding 108 From Orphan Crop to Cutting-Edge Genomics: a Journey with Lentil</p> <p>Plenary Speaker: Prof Kirstin Bett, University of Saskatchewan Boulevard Auditorium</p> <p>Plenary Chair: Prof Michael Udvardi and Prof Peter Gresshoff, The University of Queensland</p>
4:30pm - 6:30pm	<p>Welcome reception and Poster viewing Sponsored by Grains Research & Development Corporation (GRDC) Foyer</p>

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ON-SITE PROGRAM Tuesday 1 October 2024

7:30am - 5:30pm	Registration and information desk Foyer
7:40am - 8:25am	Arrival tea and coffee Foyer
8:25am - 8:30am	Welcome Day 2 from Prof Michael Udvardi, The University of Queensland Acknowledgment of Pulse Grains Society of Australia as Day 2 plenary sponsor for the conference Pulse Grains Society of Australia welcome address by Dr Garry Rosewarne, President, Pulse Grains Society Of Australia
8:30am - 9:00am	Invited II: Evolution and diversity 200 Unusual mergers, acquisitions, and diversity in the legume family Plenary Speaker: Dr Steven Cannon, Usda Agricultural Research Service Boulevard Auditorium Plenary Chair: Prof Ulrike Mathesius, Australian National University
9:00am - 9:30am	Invited III: Structural genomics 201 Faba bean: From orphan crop to genomic trailblazer Plenary Speaker: Prof Stig Uggerhøj Andersen, Aarhus University Boulevard Auditorium Plenary Chair: Dr Celine Mens, The University of Queensland
9:30am - 10:00am	Invited IV. Legume end-uses 202 On the pulse - enhancing the quality of grain protein for future food Plenary Speaker: Prof Michelle Colgrave CSIRO Boulevard Auditorium Plenary Chair: Dr Garry Rosewarne, Pulse Grains Society Of Australia
10:00am - 10:30am	Morning tea and exhibition Foyer

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SESSION 2 10:30am - 12:30pm	Concurrent session 2A Concurrent session sponsored by Illumina	Concurrent session 2B
Theme	Structural Genomics – new genomes and pan genomes	Evolution, diversity and domestication
Room	Boulevard Auditorium	B1 Room
Session chair	Dr Celine Mens, The University of Queensland and Prof Peter Gresshoff, The University of Queensland	Dr Steven Cannon, Usda Agricultural Research Service and Prof Michael Udvardi, The University of Queensland
10:30am - 10:55am	203 Toward soybean molecular design breeding Keynote speaker: Prof Zhixi Tian, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences	210 One Century of Discovery in Mendel's Pea Genes Keynote speaker: Prof Shifeng Cheng, Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences
11:00am - 11:15am	204 Exploring the mungbean pan-genome Dr Celine Mens, UQ-QAAFI	211 Genomic and nutritional analyses of bitter vetch, a traditional grain legume adapted to marginal semi-arid regions Dr Shahal Abbo, The Hebrew University of Jerusalem
11:15am - 11:30am	205 PanFaba: The Pangenome of faba bean Dr Hyeonah Shim, Ipk Gatersleben	212 Environment as a limiting factor of the range expansion of cultivated mungbean Dr Cheng-Ruei Lee, National Taiwan University
11:30am - 11:45am	206 Genomic changes shaping domestication traits of soybean Prof Hon-Ming Lam, The Chinese University of Hong Kong	213 Combination of Phenomics, Genomics and Transcriptomics to Dissect Genetic Basis of Soybean Compact Plant Architecture Prof Ying-hui Li Institute of Crop Science, Chinese Academy of Agricultural Sciences
11:45pm - 12:00pm	207 A high-quality genome assembly of an Australian chickpea variety Dr Ute Baumann, University Of Adelaide	Lightning talks: 214 The Genome-Wide Association Mapping reveals new insights into genome diversity of wild Old World Lupins Dr Wojciech Bielski, Poznan University Of Life Sciences 215 Domestication genetics in the mysterious Ethiopian pea Pisum abyssinicum Chantelle Beagley, University Of Tasmania

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12:00pm - 12:15pm	208 Medicago truncatula FLOWERING LOCUS T genes FTb1 and FTb2 function redundantly to control the induction of flowering in response to long-day photoperiods Dr Soledad Perez Santangelo, University Of Auckland	
12:15pm - 12:30pm	Lightning talks: 209 Genomic analysis of alfalfa for the development of salt and drought tolerant germplasm for breeding programs Dr Irfan Iqbal, Global Institute For Food Security, University of Saskatchewan	
12:30pm - 1:30pm	Lunch and exhibition Foyer	
SESSION 3 1:30pm - 3:30pm	Concurrent session 3A	Concurrent session 3B
Theme	Structural genomics – bioinformatics and databases	Legume products: food, fuel, feedstocks and metabolism
Room	Boulevard Auditorium	B1 Room
Session chair	Prof Dave Edwards, University of Western Australia	Prof Ulrike Mathesius, Australian National University and Prof Michelle Colgrave, CSIRO
1:30pm - 1:55pm	216 Unravelling Chickpea's Genetic Landscape with the Cicer Super-Pangenome Keynote speaker: Dr Vanika Garg, Murdoch University	222 Tailoring more nutrient and healthy beans: from lab to fork Keynote speaker: Dr Francesca Sparvoli, National Research Council (CNR)
2:00pm - 2:15pm	217 Medicago truncatula Mutant Resources for Legume Genomics Prof Jiangqi Wen, Oklahoma State University	223 Pea Seeds with Reduced Antinutritional Proteins: A Techno-functional and Nutritional Study Ms Rispah Ng'ang'a, Quadram Institute Bioscience
2:15pm - 2:30pm	218 Translational Research in Grain Legumes: Results, Applications and Perspectives Nadim Tayeh INRA, Institut National de la Recherche Agronomique	224 Chickpea grain composition for future markets Dr Sally Buck, CSIRO

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2:30pm - 2:45pm	<p>219 Reference genome sequence and population genomic analysis of peas provide insights into the genetic basis of Mendelian traits and beyond Dr Na Liu, Zhejiang Academy of Agricultural Sciences</p>	<p>225 Varietal Selection For Life-Saving Ready to Use Therapeutic Foods (RUTF) Dr Monique Chan, Huot Groupe Nutriset/Realalts</p>
2:45pm - 3:00pm	<p>220 Differential selection of yield and quality traits has shaped genomic signatures of cowpea domestication and improvement Dr Xinyi Wu, Zhejiang Academy of Agricultural Sciences</p>	<p>226 Genome editing to refine soybean as a plant-based protein source Prof Yuefeng Guan, Guangzhou University</p>
3:00pm - 3:15pm	<p>221 Towards a complete phylogenetic tree of angiosperm genera, including legumes! Dr Paul Bailey, Royal Botanic Gardens Kew</p>	<p>227 Identification of sweet alkaloid genes in narrow-leaved lupin Dr Gaofeng Zhou, Murdoch University</p>
3:15pm - 3:45pm	<p align="center">General Meeting of ICLGG Participants Vote on new IAB members and decide on ICLGG 2026 host and venue ICLGG Chair: Prof Michael Udvardi, The University of Queensland Boulevard Auditorium</p>	
3:45pm - 4:15pm	<p align="center">Afternoon tea and exhibition Foyer</p>	
4:15pm - 5:30pm	<p align="center">Poster presentation and viewing session Sponsored by Arc Centre Of Excellence For Plant Success Foyer</p>	

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ON-SITE PROGRAM Wednesday 2 October 2024	
7:30am - 5:30pm	Registration and information desk Foyer
7:40am - 8:25am	Arrival tea and coffee Foyer
8:25am - 8:30am	Welcome Day 3 from Prof Michael Udvardi, The University of Queensland Acknowledgment of The Queensland Alliance for Agriculture and Food Innovation (QAAFI) as gold sponsor of the conference Welcome address by Ian Godwin, Director of the Centre for Crop Science, QAAFI
8:30am - 9:00am	Invited V. Plant development and physiology 300 Three decades of playing around with legume genetics Plenary Speaker: Prof Jim Weller, University of Tasmania and ARC Centre of Excellence for Plant Success Boulevard Auditorium Plenary Chair: Prof Michael Udvardi, The University of Queensland
9:00am - 9:30am	Invited VI. Abiotic stress tolerance 301 Climatic ambitions of neglected underused legumes Plenary Speaker: Prof Maria Carlota Vaz Patto, UNL / ITQB NOVA Boulevard Auditorium Plenary Chair: Dr Dugald Reid, La Trobe University
9:30am - 10:00am	Invited VII. Bioinformatics 302 From pangenomes to traits – linking genome variation with phenotype variation Plenary Speaker: Prof Dave Edwards, University of Western Australia Boulevard Auditorium Plenary Chair: Dr Sukhjiwan Kaur, Agriculture Victoria
10:00am - 10:30am	Morning tea and exhibition Foyer

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SESSION 4 10:30am - 12:30pm	Concurrent session 4A	Concurrent session 4B
Theme	Plant development & physiology	Abiotic stress tolerance
Room	Boulevard Auditorium	B1 Room
Session chair	Assoc Prof Jim Weller, University of Tasmania	Dr Dugald Reid, La Trobe University and Assoc Prof Nijat Imin, University of Auckland
10:30am - 10:55am	303 Unveiling the mechanisms underlying photoperiod sensitivity Keynote speaker: Prof Fanjiang Kong, Guangzhou University	313 Opportunities to improve grain legumes for future climates Keynote speaker: Dr Millicent Smith, UQ-QAAFI, UQ-SAFS
11:00am - 11:15am	304 The interplay of signals controlling shoot branching in plants – challenges and solutions for predicting network perturbations Prof Christine Beveridge, The University Of Queensland	314 Impact of nitrogen deficiency on plant growth and development: discovering conserved mechanisms for legumes and non-legumes Assoc Prof Nijat Imin, Western Sydney University & University of Auckland
11:15am - 11:30am	305 afile: The Whole Story, From Identifying Potential Candidate Genes to Detecting the Responsible Megabase-Scale Deletion Nadim Tayeh INRA, Institut National de la Recherche Agronomique	315 Unlocking Chickpea Potential: AtBAG4, the Cytoprotective Co-Chaperone, Enhances Drought Tolerance, Nodulation and Seed Protein Content Dr Brett Williams, QUT
11:30am - 11:45am	306 Gene-edited Medicago Mtsoc1 or Mting mutants do not flower Prof Joanna Putterill, University Of Auckland	316 GmPIF4 and soybean high-temperature tolerance Prof Prem Bhalla, University of Melbourne
11:45pm - 12:00pm	307 Mutations in the AFB4/5 auxin receptor gene confer altered shoot architecture and improved grain yield in field pea (<i>Pisum sativum</i>) Simon Michelmore, SARDI	317 Precision phenotyping reveals beneficial drought responses in faba bean Mr Lennart Scheer, Justus Liebig University

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12:00pm - 12:30pm	<p style="text-align: center;">Lightning talks:</p> <p>308 The role of CLE peptide signalling in shoot meristem development of pea Assoc Prof Eloise Foo, University of Tasmania</p> <p>309 The circadian clock modulates bud outgrowth in pea via the strigolactone signalling pathway Dr Elizabeth Dun, The University Of Queensland</p> <p>310 Characterisation of Defensin-Like peptides (DEFL) family members involved in cowpea reproduction Ms Daniela Richaud, The University Of Queensland</p> <p>311 How is early bud growth driven at the cellular level? Dr Stephanie Conway, University of Queensland</p> <p>312 Genotype x environment interactions affecting flowering time and flowering duration in mungbean Miss Caitlin Dudley, Queensland Alliance For Agriculture And Food Innovation At The University Of Queensland</p>	<p style="text-align: center;">Lightning talks:</p> <p>318 Enhancing chickpea tolerance to soil acidity through genomics Dr Shiva Azizinia, Agriculture Victoria</p> <p>319 Unveiling Phenotypic Diversity for Future Climate Risks: First Large-Scale High-Throughput Characterisation of the 5050 Chickpea Global Diversity Panel Dr Sivasakthi Kaliamoorthy, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)</p> <p>320 Improving chilling tolerance in chickpea using genomics and computational approaches Dr Alem Gebre, Agriculture Victoria</p> <p>321 Does early growth estimation using remote sensing help our understanding of genotypic stability for lentil varietal selection under heat stress? Dr Abeya Tefera, Agriculture Victoria Research, Grain Innovation Park</p>
12:30pm - 1:30pm	Lunch and exhibition Foyer	
SESSION 5 1:30pm - 3:30pm	Concurrent session 5A	Concurrent session 5B
Theme	Plant development: breeding applications	Bioinformatics for research and breeding
Room	Boulevard Auditorium	B1 Room
Session chair	Prof Douglas Cook, University of California-Davis	Prof Dave Edwards, University of Western Australia and Dr Sukhjiwan Kaur, Agriculture Victoria
1:30pm - 1:55pm	<p>322 Mining alleles of agronomic value from wild Cicer species, with implications for soil health Keynote speaker: Prof Douglas Cook, University of California-Davis</p>	<p>331 Pan-genomes and graphs: new ways to explore genetic variability within Lens spp Keynote speaker: Ms Larissa Ramsay, University Of Saskatchewan</p>

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<p>2:00pm - 2:15pm</p>	<p>323 Progress and Prospects of CMS based Hybrids in Pigeonpea: Redefining plant architecture, resistance, and yield attributes Dr Prakash Gangashetty, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)</p>	<p>332 Resources and tools for legume research at the Legume Information System Dr Steven Cannon, Usda Agricultural Research Service</p>
<p>2:15pm - 2:30pm</p>	<p>324 Enhancing Lupin Seed Quality for Food Market: Integrated Multi-Omics and Genetics Approaches Dr Lingling Gao, Csiro Agriculture And Food</p>	<p>334 AI- Augmented Rapid Allele Stacking to Breed for Durable Ascochyta Blight Resistance in Chickpea Dr Zibei Lin, Agriculture Victoria</p>
<p>2:30pm - 2:45pm</p>	<p>325 Maturity and adaptation of sub-tropical x temperate soybean populations in Zamabia and Zimbabwe Dr Albert Tsindi, International Crops Research Institute For The Semi Arid Tropics (ICRISAT)</p>	<p>335 Genomic tools for Pongamia pinnata enable comparisons of nuclear and organellar genomes, diversity assessments, and potentially point to historical seed movements Dr Jonathan LaMantia, Terviva Australia Party, LTD</p>
<p>2:45pm - 3:00pm</p>	<p>Lightning talks: 327 Contribution of INDEL polymorphism in FLOWERING LOCUS T genes to vernalization and photoperiod responsiveness of yellow lupin (Lupinus luteus L.) Ms Anna Surma & Dr Michal Ksiazkiewicz, Institute Of Plant Genetics Polish Academy Of Sciences</p> <p>328 Genetic variability and identification of genomic regions associated with stem rot disease resistance in cultivated and interspecific derivatives of peanut (Arachis hypogaea L.) Ms Bangaru Kiranmayee, International Crops Research Institute For The Semi-arid Tropics (ICRISAT)</p> <p>330 Integrating Advanced Speed Breeding Strategies in Pulse Pre-Breeding Dr Shahin Yazdifar, Agriculture Victoria</p>	<p>336 Image Analysis for Mapping of Lentil Branch Architecture Dr Adam Dimech, Agriculture Victoria</p>

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3:00pm - 3:05pm		<p style="text-align: center;">Lightning talks:</p> <p style="text-align: center;">439 Molecular Basis of Grain Calcium content in Pigeonpea through Comparative Proteomics Analysis Ms Ashwini Kalyan, Internation Crop Research Institute for the Semi-arid Tropics, Hyderabad</p>
3:00pm - 3:30pm	Afternoon tea Foyer	
3:30pm - 5:00pm	Poster presentation and viewing session Sponsored by Saskatchewan Pulse Growers Foyer	
7:00pm - 11:00pm	Conference dinner Boulevard Room, Brisbane Convention & Exhibition Centre	

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ON-SITE PROGRAM Thursday 3 October 2024	
7:30am - 6:00pm	Registration and information desk Foyer
7:40am - 8:25am	Arrival tea and coffee Foyer
8:25am - 8:30am	Welcome Day 4 from Assoc Prof Brett Ferguson, The University of Queensland
8:30am - 9:00am	Invited VIII. Beneficial symbiosis 400 Mechanisms of plant-microbe symbiosis and applications Plenary Speaker: Prof Ertao Wang, Institute Of Plant Physiology And Ecology Boulevard Auditorium Plenary Chair: Assoc Prof Brett Ferguson, The University of Queensland
9:00am - 9:30am	Invited IX. Plant defence 401 Breeding pea for improved disease resistance Plenary Speaker: Prof Tom Warkentin University of Saskatchewan Boulevard Auditorium Plenary Chair: Dr Lars Kamphuis, Curtin University
9:30am - 10:00am	Invited X. Genomic and predictive breeding 402 From Sequence to Selection: Genomic and Predictive Breeding for Pulse Crop Improvement Plenary Speaker: Dr Sukhjiwan Kaur Agriculture Victoria Boulevard Auditorium Plenary Chair: Prof Lee Hickey, The University of Queensland
10:00am - 10:30am	Morning tea and exhibition Foyer

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SESSION 6 10:30am - 12:30pm	Concurrent session 6A	Concurrent session 6B
Theme	Symbiotic nitrogen fixation	Genomic and predictive breeding
Room	Boulevard Auditorium	B1 Room
Session chair	Assoc Prof Brett Ferguson and Dr April Hastwell, The University of Queensland	Dr Sukhjiwan Kaur, Agriculture Victoria and Prof Lee Hickey, The University of Queensland
10:30am - 10:55am	403 A genetic strategy to enhance nitrogen fixation in legumes Keynote speaker: Dr Dugald Reid, La Trobe University	410 Advancing predictive breeding methods and capacity building to develop future pulse crops Keynote speaker: Prof Lee Hickey, The University of Queensland
11:00am - 11:15am	404 The common bean (<i>Phaseolus vulgaris</i>) –Rhizobium etli N-fixing symbiosis: unraveling novel plant regulators through genetic/genomic approach Keynote speaker: Prof Georgina Hernández, Center For Genomic Sciences, Unam	
11:15am - 11:30am	405 Symbiotic NF-Ys affect iron and nitrate homeostasis in <i>Medicago truncatula</i> Prof Jeremy Murray, Cemps	412 Simulation guided establishment of heterotic pools for breeding of synthetic cultivars in faba bean Mr Sven Weber, Department of Plant Breeding, Justus Liebig University Gießen
11:30am - 11:45am	406 Nodule-specific PLAT domain (MtNPD1) - dependent host-strain compatibility in the <i>Medicago truncatula</i> – <i>Sinorhizobium</i> sp. symbiosis Dr Catalina Pislariu, Texas Woman's University	413 Genomic prediction for Grain yield and other key traits in field pea Dr Adnan Riaz, Agriculture Victoria
11:45pm - 12:00pm	407 Sugar signaling acts as a proxy for cytokinin signaling for de novo meristem formation during nodule organogenesis Prof Maitrayee Dasgupta, University of Calcutta	414 Breeding for rapid cooking biofortified bean cultivars for East Africa through novel breeding strategies Dr Renu Saradadevi, The University of Western Australia

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12:00pm - 12:15pm	<p>408 Root architecture is regulated by miR2111 and TML in response to soil Pi Assoc Prof Brett Ferguson, University of Queensland</p>	<p>Lightning talks:</p> <p>415 Leveraging Genome-Wide Association Studies (GWAS) for Enhanced Understanding and Breeding of Faba Bean: Insights from Two Distinct Panels on Agronomic Traits and Stress Tolerance Mr Troels Mouritzen, Aarhus University</p> <p>416 Genomic Selection: a new frontier in Mungbean Breeding Ms Maria Valeria Paccapelo, Department of Agriculture and Fisheries</p>
12:15pm - 12:30pm	<p>409 Genetics and genomics of symbiotic nitrogen fixation in legumes: past, present, and future Prof Michael Udvardi, The University of Queensland</p>	
12:30pm - 1:30pm	<p>Lunch and exhibition Foyer</p>	
SESSION 7 1:30pm - 3:30pm	Concurrent session 7A	Concurrent session 7B
Theme	Beneficial symbioses and microbiomes	Plant defence I
Room	Boulevard Auditorium	B1 Room
Session chair	Prof Ulrike Mathesius, Australian National University and Assoc Prof Eloise Foo, University of Tasmania	Dr Lars Kamphuis, Curtin University and Dr Brett Williams, Queensland University of Technology
1:30pm - 1:55pm	<p>418 Getting to the root of symbiotic root nodule development in legumes Keynote speaker: Dr Katharina Schiessl, Sainsbury Laboratory Cambridge University</p>	<p>428 Pathogen fitness, disease dynamics and host plant resistance under the changing climate scenario with special reference to legumes (<i>chickpea and pigeonpea</i>) Keynote speaker: Dr Mamta Sharma, ICRISAT</p>
2:00pm - 2:15pm	<p>419 Genetic diversity and symbiotic effectiveness of Mesorhizobium and Bradyrhizobium strains nodulating selected annual grain legumes growing in Ethiopia Dr Tulu Degefu, Abdi International Crops Research Institute for the Semi-Arid Tropics</p>	<p>429 Genetics of Ascochyta Blight Resistance in Chickpea Dr Judith Atieno, South Australian Research and Development Institute (SARDI)</p>

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<p>2:15pm - 2:30pm</p>	<p>420 Uncovering The Role Of Gibberellin In Nodulation: Gibberellins Restrict Rhizobial Infection In The Epidermis And Promote Nodule Organogenesis In The Endodermis And Regulate Key Nodulation Genes Mrs Karen Velandia, University Of Tasmania</p>	<p>430 Pan-genomic variation of Pisum immune receptors enabled identification of novel downy mildew resistances Dr Sanu Arora, John Innes Centre</p>
<p>2:30pm - 2:45pm</p>	<p>421 A novel nucleotide-binding domain leucine-rich repeat receptor (NLR) involved in soybean nodulation Ms Estelle Grundy, The University of Queensland</p>	<p>431 Identification of a QTL-hotspot region for resistance to Ascochyta blight in lentil Ms Em Thackwray, Centre for Crop and Disease Management</p>
<p>2:45pm - 3:00pm</p>	<p>422 Nodule organogenesis in Medicago truncatula requires local stage-specific auxin biosynthesis and transport Dr Wouter Kohlen, Wageningen University</p>	<p>Lightning talks: 432 Exploring host – pathogen co-evolution rate in natural and agricultural ecosystems: A case study from Cicer spp. – Ascochyta rabiei pathosystem Prof Canan Can, Gaziantep University 433 RNA-seq analysis of the molecular changes underlying defense responses in chickpea to infection by Phytophthora medicaginis Dr Julie Hayes, University Of Adelaide</p>

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3:00pm - 3:30pm	<p>Lightning talks:</p> <p>423 Exploring potential benefits of biostimulant treatments in lupin cultivation Dr Marco Loehrer, Rwth Aachen University</p> <p>424 Non-rhizobial bacteria exhibit persistent colonization in the roots and nodules of chickpea cultivars across diverse environments Dr Yi Zhou, The University of Adelaide</p> <p>425 Ethylene inhibits cell cycle progress in root hairs of Lotus japonicus infected by rhizobia Dr Wenjie Liang, CAS Center For Excellence In Molecular Plant Sciences</p> <p>426 the NRT2.3 nitrate transporter plays a positive role in nodule function Medicago truncatula Miss Fuyu Li, Center for Excellence in Molecular Plant Sciences (CEMPS), Chinese Academy of Sciences</p> <p>427 Tyrosine Sulphated Root Meristem Growth Factor Peptides Regulate Root and Nodule Development in Soybean Miss Yuhan Liu, The University Of Queensland</p>	
3:30pm - 4:00pm	Afternoon tea Foyer	
SESSION 8 4:00pm - 5:30pm	Concurrent session 8A	Concurrent session 8B
Theme	Metabolism and quality traits	Plant defence II
Room	Boulevard Auditorium	B1 Room
Session chair	Dr Garry Rosewarne, Pulse Grains Society Of Australia and Assoc Prof Marta Vasconcelos, UCP	Dr Lars Kamphuis, Curtin University and Dr Brett Williams, Queensland University of Technology
4:00pm - 4:25pm	<p>434 Legume nutrition and quality in the context of climate change Keynote speaker: Asst Prof Marta Vasconcelos, UCP</p>	<p>441 Progress in understanding the Sclerotinia sclerotiorum pathosystem Keynote speaker: Assoc Prof Mehdi Kabbage, University of Wisconsin</p>

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4:30pm - 4:45pm	<p>435 VC2 regulates baseline vicine content in faba bean Mr Samson Ugwuanyi, Department of Plant Breeding and Justus Liebig University, Giessen</p>	
4:45pm - 5:00pm	<p>436 Genomic variation in diverse pea accessions uncovers the genetic basis of seed protein content Dr Krishna Kishore, Gali University Of Saskatchewan</p>	<p>443 Introgression of Disease Resistance into Phaseolus vulgaris variety OAC Rex from Phaseolus acutifolius Dr K. Peter Pauls, University of Guelph</p>
5:00pm - 5:15pm	<p>437 Proteomic approaches for engineering the protein composition of lupin grain Dr Arineh Tahmasian, CSIRO</p>	<p>444 Metabolomics and proteomics integration unveil how secondary cell wall thickening in peanuts helps in resisting aflatoxin accumulation Dr Yogendra Kalenahalli, International Crops Reserach Institute For The Semi-arid Tropics, India</p>
5:15pm - 5:30pm	<p>Lightning talks:</p> <p>438 Unlocking the Potential of Grass Pea: Improving Nutritional Traits Through Investigation of Natural Diversity Ms Jasmine Staples, John Innes Centre</p> <p>440 Exploring the Lupin Genome: Uncovering Lipoxygenase Genes to Enhance Flavor Mr Lam Jiang & Dr Lingling Gao, Csiro Agriculture And Food</p>	
5:30pm - 6:00pm	<p>Closing plenary</p> <p>ICLGG Chair: Prof Michael Udvardi, The University of Queensland Awards Acknowledgment of sponsors</p> <p>Boulevard Auditorium</p>	