

ICLGG 2024 POSTER PRESENTATIONS

Please note poster list is subject to change. Latest as at 27/09/2024



ICLGG 2024 Poster and lightning talk poster list

Enabling technologies <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Poster	P100	Use of DNA fingerprinting to trace varietal purity in Groundnut Seed Value Chain Dr Manzoor Hussain Dar, Icrisat
Poster	P101	Accurate Detection of Heterogeneity in Chickpeas Using a SNP Array Dr Kerrie Forrest, Agriculture Victoria
Poster	P102	Digital Imaging for Grain Quality in Mungbean Mrs Jodine O'Connor, Queensland Department Of Agriculture And Fisheries
Poster	P103	Improving genetic transformation efficiency in legumes Dr Maria Pazos Navarro, The University of Western Australia
Poster	P104	Optimization of tissue culture and genetic transformation protocol for faba bean (<i>Vicia faba</i> L.) Mr Md Mamunur Rashid, Justus Liebig University
Poster	P105	Development of a biotech toolbox for bean research Dr Francesca Sparvoli, National Research Council
Lightning talk and poster	P106 *refer to oral abstract 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
Abiotic stress tolerance <i>Poster presentation session Wednesday 3:30 pm – 5:00 pm</i>		
Poster	P107	Improving chickpea productivity by enhancing resistance to soil acidity Mr Edward Asare, Australian National University
Lightning talk and poster	P108 *refer to oral abstract 318	Enhancing chickpea tolerance to soil acidity through genomics Dr Shiva Azizinia, Agriculture Victoria
Poster	P109	Insights into the role of silicon in improving the nodulation-related traits in lentil plants during drought stress Dr Sajitha Biju, The University Of Melbourne
Poster	P110	Olive tree (<i>Olea europaea</i>) shading effects on different varieties of faba bean (<i>Vicia faba</i>). Dr Khalid Daoui, University Mohammed Vi Polytechnique
Poster	P111	Phosphorous efficiency levels of different moroccan chickpea (<i>Cicer arietinum</i>) genotypes under controled conditions Dr Khalid Daoui, University Mohammed Vi Polytechnique
Poster	P112	Detection of genetic variation for heat and drought stress response in faba bean (<i>Vicia faba</i>) Mrs Fatiha Sultana Eti, Julius Kuehn Institute, Quedlinburg, Germany
Poster	P113	Characterization of Kunitz Trypsin inhibitors in some Apulian accessions of <i>Cicer arietinum</i> L.: enhancing the value of local legumes. Dr Mariella Matilde Finetti Sialer & Dr Wilma Sabetta, National Research Council & Institute Of Biosciences And Bioresources
Lightning talk and poster	P114 *refer to oral abstract 320	Improving chilling tolerance in chickpea using genomics and computational approaches Dr Alem Gebre, Agriculture Victoria
Poster	P115	Exploring the Effects of Soil Acidity on Root Nodulation in Chickpeas Mr Alex Jose, Australian National University
Lightning talk and poster	P116 *refer to oral abstract 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))
Poster	P117	Functional gene analysis of priori acid soil tolerance genes in chickpea using hairy root transformation Dr Rosy Raman, NSW DPI

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Poster	P119	Precision phenotyping reveals beneficial drought responses in faba bean Mr Lennart Scheer, Justus Liebig University
Lightning talk and poster	P120 <i>*refer to oral abstract 321</i>	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
Poster	P121	Evaluating water use efficiency and shoot-root traits in Australian mungbean cultivars under different levels of water availability Miss Yayue Zhong, The University of Queensland
Poster	P194	Identification of the SNP markers for drought tolerance and related agronomic traits in chickpea under multi-environments using GWAS analysis Dr Tawffiq Istanbuli, International Center for Agricultural Research in the Dry Areas (ICARDA)
Structural Genomics – new genomes and pan genomes <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Poster	P122	Deciphering the Faba Bean Genome: High-Quality Assemblies and Resolution of Haplotypes Miss Kübra Arslan, Justus Liebig University Giessen
Poster	P124	PanFaba: The Pangenome of faba bean Dr Hyeonah Shim, Ipk
Bioinformatics for research and breeding <i>Poster presentation session Wednesday 3:30 pm – 5:00 pm</i>		
Poster	P125	Evolution, development, and application of the DArTag common bean mid-density platform in a breeding program to develop rapid cooking beans in Africa Mr Male Allan Ssekamatte, Alliance Of Bioversity International & Ciat
Poster	P127	MADis: Genomic Analysis Tool for the Revelation of Multiple Alleles Within a Single Gene Miss Ivana Kaňovská, Palacký University Olomouc

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Poster	P128	Unlocking lablab potential: New genomic resources to accelerate breeding Dr Isaac Njaci, University Of Queensland
Poster	P129	Exploring Gene Family Diversity with PANSOPE and SLAC: Bridging Pan-Genomics and Manual Curation with Alignment Thumbnails Mr Ryan Zujic, Integrative Legume Research Group, The University Of Queensland.
Evolution, diversity and domestication <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Lightning talk and poster	P130 *refer to oral abstract 215	Domestication genetics in the mysterious Ethiopian pea <i>Pisum abyssinicum</i> Miss Chantelle Beagley, University Of Tasmania
Lightning talk and poster	P131 *refer to oral abstract 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
Legume products: food, fuel, feedstocks and metabolism <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Poster	P132	Proteomics assessment of conglutin seed storage protein diversity across six lupin species Mr Hendrik Muck, CSIRO Agriculture and Food
Poster	P133	The change of tannin content in faba bean seeds during long-term storage Mrs Lea Narits, Centre of Estonian Rural Research and Knowledge
Plant development – breeding applications <i>Poster presentation session Wednesday 3:30 pm – 5:00 pm</i>		
Poster	P135	Breeding faba bean for sub-tropical region of Australia Dr Kedar Adhikari, The University Of Sydney
Poster	P136	Unveiling New Insights into Faba Bean Sensitivity and Genetic Responses to EMS: Developing Drought and Orobanche crenata Tolerant Mutants Ms Oumaima Chetto, Institut National de la Recherche Agronomique & Institut Agronomique et Vétérinaire Hassan II
Lightning talk and poster	P137 *refer to oral abstract 328	Genetic variability and identification of genomic regions associated with stem rot disease resistance in cultivated and interspecific derivatives of peanut (<i>Arachis hypogaea</i> L.) Ms Bangaru Kiranmayee, International Crops Research Institute For The Semi-arid Tropics (ICRISAT)
Poster	P138	The variability of beta-amyrin synthase gene PsBAS in field pea varieties Dr Kristiina Laanemets, Centre Of Estonian Rural Research and Knowledge
Poster	P139	Hyper-recombinant faba bean for accelerated breeding Mr Nicholas Lester, The University Of Queensland
Poster	P140	Maximizing the agronomic potential and adaptation of white lupin (<i>Lupinus albus</i> L.) to short growing seasons through genetic improvement Dr Sandra Rychel-bielska, Wroclaw University of Environmental and Life Science
Poster	P141	Optimizing cross efficiency and seed multiplication in faba bean via insect pollination and retrospective genotyping Ms Rica-Hanna Schlichtermann, Justus Liebig University
Poster	P142	Characterisation of the Chickpea Germplasm for Vigour-related traits Dr Niharika Sharma, NSW Department Of Primary Industries and Regional Development
Lightning talk and poster	P143 *refer to oral abstract 327	Contribution of INDEL polymorphism in FLOWERING LOCUS T genes to vernalization and photoperiod responsiveness of yellow lupin (<i>Lupinus luteus</i> L.) Ms Anna Surma & Dr Michal Ksiazkiewicz, Institute Of Plant Genetics Polish Academy Of Sciences
Lightning talk and poster	P144 *refer to oral abstract 330	Integrating Advanced Speed Breeding Strategies in Pulse Pre-Breeding Dr Shahin Yazdifar, Agriculture Victoria
Above ground defences <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Lightning talk and poster	P145 *refer to oral abstract 432	Exploring host – pathogen co-evolution rate in natural and agricultural ecosystems: A case study from <i>Cicer</i> spp. – <i>Ascochyta rabiei</i> pathosystem Prof Canan Can, Gaziantep University
Poster	P146	Development of a diagnostic assay for the rapid detection of different ascochyta blight pathotypes in lentil Dr Bernadette Henares, CCDM Curtin University
Poster	P147	Understanding insect resistant strategies in <i>Cajanus scarabaeoides</i> for improvement of insect resistance in cultivated Pigeonpea Dr Linh Hoang, AGFS
Poster	P148	Differential transcriptomic profiling of white lupin response to <i>Colletotrichum lupini</i>, the causal agent of anthracnose Asst Prof Michal Ksiazkiewicz, Institute of Plant Genetics Polish Academy of Sciences

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Poster	P149	Regulation of <i>P. vulgaris</i> CLAVATA3/EMBRYO SURROUNDING-related (CLE) Peptides During Pathogenic Interactions Miss Alexandria Mattinson, University Of Queensland
Poster	P150	Metabolite profiling of chickpea (<i>Cicer arietinum</i>) in response to necrotrophic fungus <i>Ascochyta rabiei</i> Dr Rosy Raman, NSWDPPI
Poster	P151	Differential expression of defense related enzymes governing resistance against <i>Ascochyta</i> blight (<i>Ascochyta rabiei</i>) in kabuli genotypes of chickpea (<i>Cicer arietinum</i> L.) Dr Upasana Rani, Punjab Agricultural University Ludhiana Punjab India
Poster	P152	Genetic analysis of anthracnose disease resistance gene in narrow-leafed lupin Dr Gaofeng Zhou, Murdoch University
Below ground defences <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Lightning talk and poster	P153 *refer to oral abstract 433	RNA-seq analysis of the molecular changes underlying defense responses in chickpea to infection by <i>Phytophthora medicaginis</i> Dr Julie Hayes, University Of Adelaide
Metabolism and quality traits <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Lightning talk and poster	P154 *refer to oral abstract 440	Exploring the Lupin Genome: Uncovering Lipoygenase Genes to Enhance Flavor Mr Lam Jiang & Dr Lingling Gao, Csiro Agriculture And Food
Lightning talk and poster	P155 *refer to oral abstract 439	Molecular Basis of Grain Calcium content in Pigeonpea through Comparative Proteomics Analysis Ms Ashwini Kalyan, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) Hyderabad
Poster	P156	Faba bean biochemical quality as affected by ascochyta blight incidence on grain Dr Noura Omri Ben Youssef, INRAT
Lightning talk and poster	P157 *refer to oral abstract 438	Unlocking the Potential of Grass Pea: Improving Nutritional Traits Through Investigation of Natural Diversity Ms Jasmine Staples, John Innes Centre
Poster	P126	Characterization of seed storage protein diversity in Faba bean (<i>Vicia faba</i>) Dr Thilani Jayakody, Aarhus University
Plant development & physiology <i>Poster presentation session Wednesday 3:30 pm – 5:00 pm</i>		
Poster	P158	Improving cowpea development and physiology for growth in phosphorus-deficient African soils Mr Cosmas Chidiebere Alamanjo, University Of Sheffield
Lightning talk and poster	P159 *refer to oral abstract 311	How is early bud growth driven at the cellular level? Dr Stephanie Conway, University of Queensland
Lightning talk and poster	P160 *refer to oral abstract 312	Genotype x environment interactions affecting flowering time and flowering duration in mungbean. Miss Caitlin Dudley, Queensland Alliance For Agriculture And Food Innovation, The University Of Queensland
Lightning talk and poster	P161 *refer to oral abstract 309	The circadian clock modulates bud outgrowth in pea via the strigolactone signalling pathway Dr Elizabeth Dun, The University Of Queensland
Lightning talk and poster	P162 *refer to oral abstract 308	The role of CLE peptide signalling in shoot meristem development of pea Assoc Prof Eloise Foo, University of Tasmania
Lightning talk and poster	P163 *refer to oral abstract 310	Characterisation of Defensin-Like peptides (DEFL) family members involved in cowpea reproduction Ms Daniela Richaud, The University Of Queensland
Poster	P164	Unraveling Seed Coat Development to Maximize Lupin Grain Value Dr Haihua Lao & Dr Lingling Gao, Csiro Agriculture and Food
Poster	P165	A critical suppression feedback loop determines soybean photoperiod sensitivity Assoc Prof Xiaoya Lin, Guangzhou University
Poster	P166	Dissecting the genetics of canopy dynamics in mungbean using longitudinal modelling of UAV-derived traits Miss Shanice Van Haeften, Centre for Crop Science, Queensland Alliance for Agriculture and Food Innovation, The University Of Queensland
Poster	P167	Proliferative arrest in <i>Pisum sativum</i> Dr Eduardo Burillo, University of Tasmania
Poster	P168	Genetic control of flower number in pea Dr Raul Ortega, Martinez University of Tasmania
Poster	P169	Identification of quantitative trait loci for flowering time in chickpea Esmat Sarafraz, University of Tasmania
Poster	P170	A new class of leaf morphology mutants in pea Jacqueline Vander Schoor, University of Tasmania

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Poster	P171	Exploring the genetics of seed dormancy and pod dehiscence in pea Jacqueline Vander Schoor, University of Tasmania
Poster	P172	Quantitative trait locus (QTL) mapping of phenology in lentil Yang Dai, University of Tasmania
Genomic and predictive breeding <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Poster	P173	Genomic prediction in faba bean for heat and herbicide tolerance Dr Lynn Abou Khater & Dr Aladdin Hamwieh, International Center for Agricultural Research in The Dry Areas
Poster	P174	Use of single step factor analytic linear mixed model to develop a pipeline for genomic selection of resistance to new aggressive <i>Ascochyta rabiei</i> isolates in chickpea breeding lines Dr Ahsan Asif, NSW Department of Primary Industries and Regional Development
Poster	P175	Genetic advances in tackling emerging diseases of Faba bean (<i>Vicia faba</i> L.) in Ethiopia Dr Asnakech Beyene, Ethiopian Institute Of Agricultural Research
Poster	P176	Mungbean breeding in the next 10 years: a North American perspective Dr Eric Bishop-von Wettberg, University Of Vermont
Poster	P177	Gene expression during parasitism interactions between faba bean and orobanche foetida Assoc Prof Mariem Bouhadida, Inrat
Poster	P178	Multi-trait, multi-environment GBLUP improves genomic prediction in mungbean Mr Mark Edward Fabreag, Queensland Alliance for Agriculture and Food Innovatio
Poster	P192	Identification of QTLs associated with drought avoidance root traits in lentil RIL population evaluated under different environments: towards confirmation of constitutive and adaptive QTLs genomics-assisted breeding for drought tolerance Ms Oumaima Chetto, Institut National de la Recherche Agronomique & Institut Agronomique et Vétérinaire Hassan II
Poster	P193	Genomic selection for different agronomic traits in ICARDA chickpea breeding program Dr. Aladdin Hamwieh, International Center for Agricultural Research in the Dry Areas (ICARDA)
Lightning talk and poster	P180 *refer to oral abstract 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
Lightning talk and poster	P181 *refer to oral abstract 416	Genomic Selection: a new frontier in Mungbean Breeding Ms Maria Valeria Paccapelo, Department of Agriculture and Fisheries
Symbiotic nitrogen fixation <i>Poster presentation session Wednesday 3:30 pm – 5:00 pm</i>		
Poster	P182	Pan-genomics and -transcriptomics of symbiotic nitrogen fixation in mungbean Ms Estelle Grundy, The University of Queensland
Poster	P183	NLP2 regulation of Nitrite Reductase is required for vacuole integrity in N-fixing cells of <i>Medicago truncatula</i> under high nitrate Assoc Prof Suyu Jiang, CAS Center For Excellence In Molecular Plant Sciences
Poster	P184	Non-Nodulating Mutants to Quantify Nitrogen-Fixation of Legume Crops Ms Grace Weston-Olliver, The University of Queensland
Poster	P185	Integrated single-nucleus and spatial transcriptomics captures transitional states in soybean nodule maturation Mr Zhe Yan, Institute Of Crop Science Of CAAS
Beneficial symbioses and microbiomes <i>Poster presentation session Tuesday 4:15 pm – 5:30 pm</i>		
Lightning talk and poster	P186 *refer to oral abstract 425	Ethylene inhibits cell cycle progress in root hairs of <i>Lotus japonicus</i> infected by rhizobia Dr Wenjie Liang, CAS Center For Excellence In Molecular Plant Sciences
Lightning talk and poster	P187 *refer to oral abstract 423	Exploring potential benefits of biostimulant treatments in lupin cultivation Dr Marco Loehrer, Rwth Aachen University
Poster	P188	Correlating flavonoid exudation and microbiome of <i>Medicago truncatula</i> Mr Alek Meade, Australian National University
Lightning talk and poster	P189 *refer to oral abstract 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
Lightning talk and poster	P190 *refer to oral abstract 426	the NRT2.3 nitrate transporter plays a positive role in nodule function <i>Medicago truncatula</i> Miss Fuyu Li, Center for Excellence in Molecular Plant Sciences (CEMPS), Chinese Academy of Sciences
Lightning talk and poster	P191 *refer to oral abstract 427	Tyrosine Sulphated Root Meristem Growth Factor Peptides Regulate Root and Nodule Development in Soybean Miss Yuhan Liu, The University Of Queensland