2nd International Symposium of SABC/CCFI
on
Legumes Research and Applications

October 07, 2024, Murdoch University
(Building 425, The Loft)

Tentative Program

08:00 – 08:30 hrs	**Arrival & Registration**	
08:30 – 08:40 hrs	Welcome & Introduction	**Prof. Rajeev Varshney** Director, CCFI & SABC Murdoch University, Australia
08:40 – 10:00 hrs	**Session I: Genomics and pangenomics** **Co-chairs: Dr Camilla Hill,** Grains Research & Development Corporation, Australia **Prof Rajeev Varshney,** Murdoch University, Australia	
08:40 – 09:00 hrs	From pangenomes to traits – linking genome variation with phenotype variation	**Prof. Dave Edwards** The University of Western Australia, Australia
09:00 – 09:20 hrs	Genomics and pre-breeding approaches towards chickpea improvement: current status and future perspectives	**Dr. Himabindu Kudapa** International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India
09:20 – 09:40 hrs	Advancing faba bean breeding and research with genomics tools	**Dr. Hyeonah Shim** The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany
09:40 – 10:00 hrs	Progress of lupin genomics and genetics in Western Crop genetics Alliance	**Prof. Chengdao Li** Murdoch University, Australia
10:00 – 10:20 hrs	*Morning Tea*	
10:20 – 12:00 hrs	**Session II: Genomics and pre-breeding** **Co-chairs: Dr Francis Ogbonnaya,** Grains Research & Development Corporation, Australia **Dr Yan Bin Hong,** Guangdong Academy of Agricultural Sciences, China	
10:20 – 10:40 hrs	Advances in genomics to accelerate genetic gains in pulses	**Prof. Rajeev Varshney** Murdoch University, Australia
10:40 – 11:00 hrs	Decoding agronomic traits in peanut: From genomics to population genomics	**Prof. Huang Lu** Guangdong Academy of Agricultural Sciences, China

11:00 – 11:20 hrs	Genomic selection for rapid cooking and biofortified common beans in East Africa	**Prof. Wallace Cowling** The University of Western Australia, Australia
11:20 – 11:40 hrs	The need for participatory plant breeding in the US: examples from mungbean and sorghum	**Prof. Eric Bishop von Wettberg** The University of Vermont, USA
11:40 – 12:00 hrs	Leveraging Multi-OMICS to predict and mitigate plant-pathogen interactions	**Dr. Yogendra Kalenahalli** International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India
12:00 – 13:00 hrs	*Lunch*	
13:00 – 15:00 hrs	**Session III: Pathology, physiology and quality** **Co-chairs: Prof Graham O'hara**, Murdoch Univesity, Australia	
13:00 – 13:20 hrs	Ascochyta blight resistance in chickpea	**Dr. Aladdin Hamwieh** International Center for Agricultural Research in the Dry Areas (ICARDA), Egypt
13:20 – 13:40 hrs	Research approaches to reduce the economic impact of diseases in legumes	**Dr. Lars Kamphuis** Curtin University, Australia
13:40 – 14:00 hrs	Host plant resistance and pathogenic variability under changing climate scenario with special reference to legumes	**Dr. Mamta Sharma** International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India
14:00 – 14:20 hrs	Improving chilling tolerance in cultivated chickpea lines	**Dr. Olive Onyemaobi** The Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
14:20 – 14:40 hrs	Developing cold-resistant chickpeas by harnessing wild genetics	**Dr. Amanuel Bekuma** Department of Primary Industries and Regional Development, Australia
14:40 – 15:00 hrs	Advancing Lupin gain quality through genetics and OMICS	**Dr. Lingling Gao** The Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
15:00 – 15:20 hrs	*Afternoon Tea*	
15:20 – 15:30 hrs	Symposium Opening Remarks	**Prof. Peter Eastwood** Deputy Vice Chancellor- Research Murdoch University, Australia
15:30 – 17:30 hrs	**Session IV: Agronomy and Management** **Co-chairs: Prof Richard Harper**, Murdoch University, Australia **Dr Bob French,** Department of Primary Industries and Regional Development, Australia	
15:30 – 15:50 hrs	New opportunities for legume crops in WA	**Mark Seymour** Department of Primary Industries and Regional Development, Australia

15:50 – 16:10 hrs	Physiological and molecular basis of drought tolerance in chickpea	**Prof. Kadambot Siddique** The University of Western Australia, Australia
16:10 – 16:30 hrs	Legumes in intensive cropping systems in Bangladesh	**Prof. Richard Bell** Murdoch University, Australia
16:30 – 16:50 hrs	Chickpea management to optimise production and enable growers to attain water limited yield potential	**Stacey Power** Department of Primary Industries and Regional Development, Australia
16:50 – 17:10 hrs	Tolerance within Cicer spp to low pH	**Dr. Wendy Vance/** **Dr. Karthika Pradeep** Murdoch University, Australia
17:10 – 17:30 hrs	Tackling constraints to providing sustainably sourced nitrogen for agriculture	**Dr. Jason Terpolilli** Murdoch University, Australia
17:30 – 17:50 hrs	Developing new harvestable Aerial Seeded Pasture Legumes (ASPL's) to reduce synthetic nitrogen reliance in cropping systems	**Dr. Ron Yates/Robert Harrison** Murdoch University/ Department of Primary Industries and Regional Development, Australia
17:50 – 18:00 hrs	**Closing session**	
17:50 – 17:55 hrs	Wrap up	**Prof. Rajeev Varshney** Murdoch University, Australia
17:55 – 18:00 hrs	Vote of thanks	**Anu Chitikineni** Murdoch University, Australia
18:00 – 20:00 hrs	**Networking / Nibbles and Drinks**	