



WORLDWIDE WHEAT COUNCIL 3RD INTERNATIONAL WHEAT CONGRESS

Workshop 3: Trait Mapping

Sunday, 22 September 2024

Perth Conference & Exhibition Centre (PCEC), Perth, Western Australia

Meeting Room 3, PCEC

Tentative Program		
Sunday, 22 September 2024		
Time	Co-Chairs: Dr Ratan Tiwari, ICAR- Indian Institute of Wheat and Barley Research, India Prof Meixue Zhou, The University of Tasmania, Australia	
09:00 – 09:10	Introduction	
09:10 – 09:30	Optimizing QTL mapping strategies: leveraging prior germplasm and genotypic assets for adult plant rust resistance	Dr Laura Ziems The University of Sydney, Australia
09:30 – 09:50	Genome association analysis for identifying leaf rust resistance loci in wheat	Dr Liang Wang Huazhong Agricultural University, China
09:50 – 10:10	Genome-wide association studies to identify QTLs/genes for fusarium head blight resistance in Indian durum wheat	Dr Sundeep Kumar Indian Council of Agricultural Research (ICAR) - National Bureau of Plant Genetic Resources, India
10:10 – 10:30	The less is more concept applies to root architecture for high-yielding wheat in Australia	Dr C. Mariano Cossani South Australian Research Institute, Australia
10:30 – 10:50	Tea/Coffee break	
10:50 – 11:10	Physiological traits associated with drought tolerance and yield in a winter wheat population (TX1112)	Dr Qingwu Xue Texas A&M AgriLife Research, USA
11:10 – 11:30	Multi-omic characterisation of seed dormancy and reserve mobilisation in wheat cultivars with late maturity amylase	Dr Utpal Bose Commonwealth Scientific and Industrial Research Organisation (CSIRO) AG&F and Edith Cowan University, Australia

11:30 – 11:50	Improving wheat for climate change resilience: discovery of QTL/genes and markers associated with heat tolerance	Dr Sachin Kumar Chaudhary Charan Singh University, India
11:50 – 12:10	Studying QTL-by-environment interaction pattern for yellow rust resistance in wheat	Miss Jiaojiao Wang Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany
12:10 – 12:30	Linking genebank genomics to the wheat pan genome	Dr David Chisanga Agriculture Victoria, Australia
12:30 – 12:50	High-resolution mapping of quantitative trait loci for Type-I FHB resistance in winter wheat cultivar 'Everest'	Dr Umara Sahar Rana University of Agriculture Faisalabad, Pakistan
12:50 – 12:55	Closing remarks by Co-Chairs	