Workshop 10: Functional Genomics

Sunday, 22 September 2024

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

Meeting Room 2, PCEC

Tentative Program		
Sunday, 22 September 2024		
Time	**Co-Chairs: Prof Harvey Millar, The University of Western Australia, Australia Dr Phillippa Borrill, John Innes Centre, UK**	
13:00 – 13:10	Introduction	
13:10 – 13:30	The discovery of tandem kinase r-genes: origin, function, and potential in resistance breeding	**Prof Tzion Fahima** University of Haifa, Israel
13:30 – 13:50	Unveiling the micronutrient architecture of wheat grains through spatial transcriptomics at single-cell resolution	**Dr Chen Ji** John Innes Centre, UK
13:50 – 14:10	Deciphering the role of small RNAs in regulation of restorer-of-fertility gene expression in wheat	**Dao Anh Thien Tran** The University of Western Australia, Australia
14:10 – 14:30	Developing cisgenic resistance gene stacks for improved resistance to wheat stem rust disease	**Dr Ming Luo** Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
14:30 – 14:50	**Tea/Coffee break**	
14:50 – 15:10	Nicotianamine synthase gene discovery, characterisation, and overexpression in bread wheat	**Dr Jesse Beasley** The University of Melbourne, Australia
15:10 – 15:30	Does-response assays and transcriptomic analyses evaluate novel fungicide-supplement combinations on elevating wheat rust disease resistance	**Dr Meng Li** University of British Columbia, Canada

15:30 – 15:50	Identification of wheat rDNA unit variants and changes in their expression following partial chromosomal deletions	**Mr Yohta Hyuga** Prefectural University, Kyoto, Japan
15:50 – 15:55	Closing remarks by Co-Chairs	