




3RD INTERNATIONAL WHEAT CONGRESS

Workshop 1: From Reference to Pan: A New Era in Wheat Genomics

Sunday, 22 September 2024

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

Meeting Room 1, PCEC

Tentative Program		
Sunday, 22 September 2024		
Time	Co-Chairs: Dr Manuel Spannagl, Helmholtz Center, Germany Dr Angela Juhasz, Edith Cowan University, Australia	
09:00 – 09:10	Introduction	
09:10 – 09:30	Epigenomic dynamics during synthetic wheat formation	Dr Maxim Messerer Helmholtz Center Munich, Germany
09:30 – 09:50	A high-resolution map of evolutionary constraint in bread wheat using Triticeae genomes	Dr Fei Lu Institute of Genetics and Developmental Biology, CAS, China
09:50 – 10:10	IWGSC 2.0: Implementing the Wheat Diversity Project	Dr Joshua Stein International Wheat Genome Sequencing Consortium
10:10 – 10:30	Progress towards a haplotype pangenome for the wheat stem rust fungus and new surveillance strategies	Miss Eva Henningsen Australian National University, Australia
10:30 – 10:50	Tea/Coffee break	
10:50 – 11:10	A study of Aegilops genomes: towards understanding their evolution and potential for wheat improvement	Ms Hamna Shazadee University of Ottawa, Canada
11:10 – 11:30	Understanding the bread wheat genome: from ESTs to graph pangenomes	Prof Dave Edwards The University of Western Australia, Australia
11:30 – 11:50	Towards developing Australian wheat pangenome	Dr Vanika Garg Murdoch University, Australia

11:50 – 12:10	Einkorn Wheat Genomics: Genomes Pangenomes and Beyond	Dr Vijay Tiwari University of Maryland, USA
12:10 – 12:15	Closing remarks by Co-Chairs	