




# 3RD INTERNATIONAL WHEAT CONGRESS

## Workshop 2: Domesticated and Wild Relatives: Challenges and Opportunities in Breeding

Sunday, 22 September 2024

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

Meeting Room 2, PCEC

Tentative Program		
Sunday, 22 September 2024		
Time	<b>Co-Chairs: Dr Upinder Gill, North Dakota State University, USA</b> <b>Dr Surbhi Grewal, University of Nottingham, UK</b> <b>Dr Gurcharn Sing Brar, University of Alberta, Canada</b>	
09:00 – 09:10	Introduction	
09:10 – 09:30	Genetic control of leaf trichome variation in the wild wheat <i>Aegilops tauschii</i>	<b>Ms Andrea Gonzalez Munoz</b> King Abdullah University of Science and Technology, Saudi Arabia
09:30 – 09:50	<i>Aegilops tauschii</i> : A treasure Trove of genetic Variation for Nitrogen Use Efficiency in Wheat	<b>Dr Parveen Chhuneja</b> Punjab Agricultural University, India
09:50 – 10:10	Exploring novel sources of rust resistance from wheat wild relatives and wheat genetic/genomics resource development	<b>Dr Upinder Gill</b> North Dakota State University, USA
10:10 – 10:30	Introgression of stripe rust resistance from spelt to bread wheat is complicated by resistance suppressors	<b>Mr Jujhar Singh Gill</b> The University of British Columbia, and University of Alberta, Canada
10:30 – 10:50	Tea/Coffee break	
10:50 – 11:10	Root system architecture and transcriptome reprogramming regulated by nitrogen-deficiency tolerance QTL introgressed from wild emmer	<b>Dr Tamar Krugman</b> University Haifa, Israel
11:10 – 11:30	Alteration of homoeologous gene expression by allopolyploidization: An example of cold response	<b>Dr Moeko Okada</b> Niigata University, Japan

11:30 – 11:50	Unlocking the treasure trove of pathogen resistant genes from <i>Thinopyrum</i> chromosome 7E	<b>Dr Hongwei Wang</b> Shandong Agricultural University, China
11:50 – 12:10	High-throughput evaluation of unknown rust resistances in genetic resources of wheat	<b>Dr Albrecht Serfling</b> Julius Kuehn Institute, Germany
12:10 – 12:30	Accelerating identification of resistance to Septoria tritici blotch disease in Tunisia	<b>Dr. Sarrah Ben M'Barek</b> Regional Field Crops Research Center of Beja, Tunisia
12:30 – 12:40	Open Wild Wheat Consortium (OWWC) phase III	<b>Dr Gurcharn Singh Brar</b> University of Alberta, Canada <b>A/Prof Brande B.H. Wulff</b> Associate Professor, King Abdullah University of Science and Technology
12:40 – 12:45	Closing remarks by Co-Chairs	