




WWC 3RD INTERNATIONAL WHEAT CONGRESS

Workshop 13: Floral Biology Traits for Hybrid Wheat

Sunday, 22 September 2024

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

Meeting Room 11, PCEC

Tentative Program		
Sunday, 22 September 2024		
Time	Co-Chairs: A/Prof Ryan Whitford, Murdoch University, Australia Dr Antje Rohde, BASF, Belgium	
13:00 – 13:10	Introduction	
13:10 – 13:30	Reflections on pollination control options for hybrid crops	Dr Marc Albertsen Albertsen Crop Genetics for Humanity, Llc, USA
13:30 – 13:50	Cytoplasmic male sterility and restorer-of-fertility genes in wheat and its relatives	Prof Ian Small University of Western Australia, Australia
13:50 – 14:10	An efficient and effective system for hybrid wheat production	A/Prof Peng Zhang University of Sydney, Australia
14:10 – 14:30	Tea/Coffee break	
14:30 – 14:50	Introducing male sterility genes into plant mitochondria by gene editing	Dr Hajime Sakai Napigen, USA
14:50 – 15:10	Unlocking the secrets of female fertility in wheat for improved hybrid seed production	Dr Marina Millan John Innes Centre, UK
15:10 – 15:30	Transcriptional signatures associated with female receptivity and longevity in a genetically male-sterile wheat cultivar Chris	A/Prof Ryan Whitford Murdoch University, Australia
15:30 – 15:50	Insights into floral biology to enhance hybrid seed setting	Dr Samira El Hanafi Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany
15:50 – 16:10	The breeder's perspective on desirable floral trait for hybrid wheat	Dr Jacob Lage KWS, France

16:10 – 16:15

Closing remarks by Co-Chairs