



WORLDWIDE WHEAT COUNCIL 3RD INTERNATIONAL WHEAT CONGRESS

Workshop 11: Predictive Breeding for Wheat Improvement

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 Dini Ganesalingam, InterGrain Pty Ltd, Australia Dr Scott Sydenham, LongReach Plant Breeders Management Pty Ltd, Australia	
13:00 – 13:10	Introduction	
13:10 – 13:30	Wheat priority breeding traits for Europe: perspectives based on French genetic progress over 40 years	Dr Jean-Pierre Cohan Arvalis, France
13:30 – 13:50	Using deep learning to predict wheat spike volume to estimate fruiting efficiency	Ms Olivia Zumsteg ETH Zurich, Switzerland
13:50 – 14:10	Spatial analysis with UAS data in wheat breeding trials	Dr Arron Carter Washington State University, USA
14:10 – 14:30	Advancements in marker-assisted breeding for enhancing yellow color in durum wheat	Dr Patricia Cabas-Lühmann The Pontifical Catholic University of Chile, Chile
14:30 – 14:50	Tea/Coffee break	
14:50 – 15:10	Optimizing genomic selection for winter hardiness and Fusarium head blight resistance in winter durum wheat	Mr Ritesh Yadav University of Manitoba Agriculture and Agri-Food, Canada
15:10 – 15:30	Genetics-inspired enviromic prediction to exploit impacts from changing climate to wheat performance	Dr Xianran Li US Department of Agriculture - Agricultural Research Service (USDA-ARS), USA
15:30 – 15:50	Optiwheat: genomic-enviromic modeling with bigdata enhances wheat grain yield predictions	Mr Abhishek Gogna Leibniz Institute of Plant Genetics and Crop Plant Research, Germany

15:50 – 16:10

Closing remarks by Co-Chairs