

		SESSION	CO-CHAIRS	SPEAKER	SPEAKER	SPEAKER	SPEAKER	SPEAKER	SPEAKER
DAY 1ST, MAY 25, 2026	9:30-10:15	Opening Keynotes Lectures	Roberto Tuberosa (University of Bologna, Italy)	Philip Pardey (University of Minnesota, USA) New realities of Agri-Food R&D Worldwide: implications for varietal innovations in wheat (Monday 25)	Beat Keller (University of Zurich, Switzerland) Pathogen-informed strategies for wheat resistance breeding (Monday 25)		Eduard Akhunov (Kansas State University, USA) Historical genomics of host-pathogen interaction in wheat rust pathosystem (Wednesday 27)		
	11:00-13:00	Session 1. ENABLING SUSTAINABLE WHEAT PRODUCTION IN A BROAD CROPPING SYSTEM. I: CROP MANAGEMENT, SOIL CONSERVATION AND HEALTH	Pierluigi Meriggi (Independent Researcher)	Michele Pisante (University of Teramo, Italy) Translational digital agronomy for durum wheat sustainability	Moussadek Rachid (INRA, Morocco) Toward 1M ha of conservation agriculture in Morocco: soils and crop resilience	Subbarao Guntur (JIRCAS, Japan) BNI-Wheats. A new category of Nitrogen-efficient low-nitrifying wheats	Amanda de Oliveira Silva (Oklahoma State University, USA) Assessing wheat nitrogen use efficiency		
	14:30-16:30	Session 2. ENABLING SUSTAINABLE WHEAT PRODUCTION IN A BROAD CROPPING SYSTEM. II: PHENOMICS, ENVIROMICS, CROP MODELLING, DIGITAL AGRICULTURE	Kerstin Neumann (Leibniz Institute of Plant Genetics and Crop Plant Research, Germany) Nicola Pecchioni (CREA, Italy)	Bruno Basso (Michigan State University, USA) Digital twins for the sustainability of cropping systems	Andries Potgieter (QAAFI, Australia) The digital wheat revolution for more resilient wheat production	Jean-Pierre Cohan (ARVALIS, France) Predicting wheat yield and production: considering climate change effects	Senthold Asseng (TUM, Germany) Crop model-guided traits for global adaptation to climate warming	Pierre Martre (INRAE, France) Global needs for nitrogen fertiliser to improve wheat yield under climate change	
	17:00-19:00	Session 3. CARBON FOOTPRINT OF WHEAT PRODUCTION TO REDUCE GREENHOUSE GAS EMISSIONS; SATELLITE MONITORING OF WHEAT FARMING	Laura Ercoli (Sant'Anna School for Advanced Studies, Italy) Malcolm Hawkesford (Rothamsted Research, UK)	Tobias Schuhmacher (Verband Deutscher Großbäckereien e.V., Germany) CO ₂ -footprint of the wheat value chain - findings from farmers to mills and bakers	Netrananda Sahu (University of Delhi, India) Carbon footprints and dynamics of wheat farming in India	Kenton Porker (CSIRO, Australia) System synergies to build sustainable wheat yield frontiers in Australia	Tim George (James Hutton, UK) Increasing sustainability of cereal crops using functional diversity		
DAY 2, MAY 26, 2026	9:00-11:00	Session 4. EXPLORING WHEAT DIVERSITY, EVOLUTION AND GENETIC RESERVOIRS	Anna Maria Mastrangelo (CREA, Italy) Zhiyong Liu (Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, China)	Weilong Guo (China Agricultural University, China) Digitalizing the wheat evolution trajectories and genetic diversity	Tzion Fahima (Haifa University, Israel) Genome-wide discovery of kinase fusion proteins for plant defense	July King (Wheat Research Centre of Nottingham, UK) Genetic diversity from wheat's wild relatives	Satinder Kaur (Punjab Agricultural University, India) Beyond the cultivated gene pool: mining hidden genetic riches of wild germplasm	Elisabetta Mazzucotelli (CREA, Italy) Harnessing the genetic wealth of tetraploid wheat relatives	
	14:00-16:00	Session 5. WHEAT GENOMES AND PANGENOMES	Valentyna Klymiuk (University of Saskatchewan, Canada) Long Mao (Shandong Agricultural University, China)	Marco Maccaferri (University of Bologna, Italy) Tetraploid wheat pangenome to better bridge with hexaploid wheat	Luxiang Liu (Institute of Crop Science of the Chinese Academy of Agricultural Sciences, China) Genome variation and breeding application of irradiation in wheat	Rajeev Varshney (Murdoch University, Australia) Wheat pangenome 100+ and rising: building a global haplotype catalogue	David Gilbert (The Wulff Lab, Saudi Arabia) The wheat Rchive	Adul Kader Allabduh (John Innes Centre, UK) GWAS across wheat genomes: Insights from the Watkins Collection	
	17:00-19:00	Session 6. WHEAT FUNCTIONAL GENOMICS	Philippa Borrill (John Innes Centre) Stefania Masci (University of Tuscia, Italy)	Gurcharn Brar Singh (University of Alberta, Canada) Genomics of novel disease resistance genes in wheat	Xia Lanqin (Yazhou Bay National Laboratory, China) Genome editing for sustainable wheat production and population health	Yao Yingyin (China Agricultural University, China) Deciphering the genetic basis of end-use quality in wheat	Pierre Sourdille (INRAE, France) Evaluation of the fate of wild-relative introgressions in wheat	Huijun Guo (Institute of Crop Science, China) Induced mutations and application in genetic analysis of wheat yield	
DAY 3, MAY 27, 2026	9:00-11:00	Session 7: INNOVATIVE WHEAT BREEDING	Suchismita Mondal (Montana State University, USA) Curtis Pozniak (University of Saskatchewan, Canada)	Paula Silva (INIA, Uruguay) Sustainable wheat production through trait discovery and pre-breeding	Jochen Reif (IPK-Gatersleben, Germany) Innovations paving (half)-way towards hybrid wheat breeding	Jessie Alt (Corteva Agriscience, USA) Advancing hybrid wheat through innovative breeding	Shuhei Nasuda (University of Kyoto) Exploration of Asian wheat genetic diversity through NAM population	Tiwari Vijaj (University of Maryland, College Park, USA) Translational research in wheat using einkorn genomics	
DAY 4, MAY 28, 2026	9:00-11:00	Session 8. DEVELOPING CLIMATE-SMART WHEAT IN THE CONTEXT OF ABIOTIC STRESSES	Laura Dixon (IPK-Gatersleben, Germany) Kiran Gaikwad (ICAR, India)	Hafssa Kabbaj (ICARDA, Morocco) Genomic breeding for heat tolerance at ICARDA	Richard Trethowan (University of Sydney, Australia) Buffering yield potential in an increasingly unstable environment	Daniel Miralles (University of Buenos Aires, Argentina) A model based on allele combinations to predict phenology to prevent extreme weather events	Laura Dixon (IPK-Gatersleben, Germany) The role of ambient temperatures in cereal adaptation	Sundeep Kumar (ICAR, India) Genomic insights into terminal heat tolerance from India's National Genebank Collections	
	14:00-16:00	Session 9. DISSECTING THE WHEAT-PATHOGEN AND PEST INTERACTION	Fiona Doohan (University College Dublin) Evans Lagudah (CSIRO, Australia)	Valentyna Klymiuk (University of Saskatchewan, Canada) Integrative genomic approaches to resolve wheats genetic diversity for FHB resistance	Fiona Doohan (University College, Dublin, Ireland) Dissecting wheat resistance to FHB and Septoria tritici blotch disease	Steven Xu (USDA - Albany, USA) Breaking barriers: ph1b-facilitated introgression of novel disease resistance genes from Aegilops caudata	Wuletaw Tadesse (ICARDA, Ethiopia) Accelerated wheat breeding and deployment to ensure food security in Africa	Sarrah Ben M'Barek (Regional Field Crops Research Center Béja, Tunisia) Decoding wheat-fungal pathogen dynamics: Insights from durum wheat landraces	
DAY 5, MAY 29, 2026	9:00-11:00	Session 10. WHEAT QUALITY, END-USE PROCESSING, NUTRITION AND HUMAN-HEALTH	Itria Ibbá (CYMMIT, Mexico) Tatsuya Ikeda (National Institute for Agro-Environmental Sciences in Japan, Japan)	Francisco Barro (CSICS Cordoba, Spain) CRISPR/Cas strategies for high-quality celiac disease-safe wheat	Nigel Halford (Rothamsted Research, UK) Agronomic and genetic approaches to reduce the risk of acrylamide formation in wheat products	Jan De Vries (De Vries Nutrition Solutions, The Netherlands) The role of wheat in a healthy and sustainable diet	Maria Fiorenza Caboni (University of Bologna, Italy) Whole grain and technological quality: opportunity and challenges	Katherina Scherf (Leibniz Institute for Food Systems Biology at the Technical University of Munich, Germany) Proteomic insights into baking quality and wheat-related disorders	
	14:00-16:00	Closing session ARE WE READY FOR DESIGNING THE FUTURE WHEAT CROP?	Peter Langridge (University of Adelaide, Australia) Sylvie Coultier (Agriculture and Agri-Food Canada, Canada)	Mariangela Hungria (EMBRAPA, Brasil) A MicroGreen revolution empowering soil health, mitigating the emission of GHG for food production (REMOTE PRESENTATION)	Brian Beres (Agriculture and Agri-Food Canada, Canada) The nitrogen paradox: feeding wheat, cutting emissions, and building resilient cropping systems	Flavio Bresseghele (CIMMYT, Mexico) Is hybrid wheat a good thing for the Global South?	Ksenia Krasileva (University of California, Berkeley, California) The rise of resistance: from natural diversity to precise modification of plant immune receptors	Evans Lagudah (CSIRO, Australia) Embedding robust disease resistance into the architecture of tomorrow's wheat	Wolfram Weckwerth (University of Wien, Austria) The holobiont concept in wheat breeding - a paradigm shift into sustainable agroecosystems