

4th International Conference
“Plant Genetics & Breeding Technologies”
(July 12-13, 2018)

July 12 (Thursday)

08.00 - 17.00	Registration
09.00 - 09.20	Opening Welcome address by Alisher Touraev (Local Chair, VISCEA, Austria) Welcome address by Roberto Tuberosa (Co-Chair, University of Bologna, Italy)
09.30 - 10.20 (+10)	<i>Chair of Key Note Lecture: Roberto Tuberosa (Italy)</i> Keynote Lecture: Wolfram Weckwerth (Austria): Green Systems Biology - Panomics Meets Germplasm
10.30 - 11.00	Coffee break
11.00 - 12.30	Session I: Plant Genetic Resources & Natural Diversity
<i>Chairs</i>	<i>Soren K. Rasmussen (Denmark) and Ben Vosman (The Netherlands)</i>
11.00 - 11.20 (+5)	Ben Vosman (The Netherlands): Enrichment of Crop Genepools with Wild Relative and Landrace Diversity
11.25 - 11.45 (+5)	Roberto Tuberosa (Italy): Harnessing the Root Angle QTLome for Tailoring Climate-Proof Wheat
11.50 - 12.05 (+5)	Deedi Sogbohossou (The Netherlands): Genetic Variation in Morphology and Nutrient Content in the Orphan Crop <i>Gynandropsis Gynandra</i>
12.10 - 12.25 (+5)	Arifin Noor Sugiharto (Indonesia): Characterization of Maize Mutant Generated from Gamma Irradiated Pollen
12.30 - 14.00	Lunch + Poster Session (all numbers)
14.00 - 15.30	Session II: Plant “OMICS”
<i>Chairs</i>	<i>Maria Luisa Chiusano (Italy) and Richard Finkers (The Netherlands)</i>
14.00 - 14.20 (+5)	Richard Finkers (The Netherlands): Using Phenomics and Genomics to Unlock Landrace and Wild Relative Diversity for Crop Improvement
14.25 - 14.45 (+5)	Maria Luisa Chiusano (Italy): Bioinformatics Resources for Plant Genomics: Opportunities and Bottlenecks in The -omics Era
14.50 - 15.05 (+5)	Agnieszka Skarzynska (Poland): Is an in Vitro Regeneration Process a Source of Genomic Changes?
15.10 - 15.25 (+5)	Vaclav Motyka (Czech Republic): Variation in Phytohormone Profiles During Norway Spruce Somatic Embryogenesis
15.30 - 16.00	Coffee break
16.00 - 17.30	Session III: Markers, Mapping & Map Based Cloning
<i>Chairs</i>	<i>Uga Yusaku (Japan) and Roberto Tuberosa (Italy)</i>
16.00 - 16.20 (+5)	Soren K. Rasmussen (Denmark): Association Mapping in Scandinavian Winter Wheat
16.25 - 16.45 (+5)	Uga Yusaku (Japan): Development of Climate-Resilient Rice Using QTLs for Root System Architecture

16.50 - 17.05 (+5)	Katarzyna Tofil (Poland): Development of a High-Density Genetic Map of Rye for Identification of Genome Regions Targeted by Selection
17.10 - 17.25 (+5)	James Gerard Hehir (Ireland): Intensive Field Evaluations and Transcriptomic Analysis Highlight the Importance of the Pre-Symptomatic Phase in supporting Strong Partial Resistance in Triticum Aestivum against Zymoseptoria Triticum
17.30 - 19.00	Poster Session(all numbers)
19.00 - 22.00	Conference Dinner Party
July 13 (Friday)	
08.00 - 17.00	Registration
09.00 - 10.30	Session IV: Genomic Selection & Molecular Breeding
<i>Chairs</i>	<i>Roberto Papa (Italy) and Yong-Bi Fu (Canada)</i>
09.00 - 09.20 (+5)	Yong-Bi Fu (Canada): Searching for an Accurate Marker-Based Prediction of an Individual Quantitative Trait in Molecular Plant Breeding
09.25 - 09.45 (+5)	Roberto Papa (Italy): Bean Adapt: the Genomics of Adaptation During Crop Expansion of Common Bean
09.50 - 10.05 (+5)	Blaise Ratcliffe (Canada): Single-step Genomic Evaluation of Simple and Complex Pedigrees
10.10 - 10.25 (+5)	Zimny Janusz (Poland): Considerable Progress in the Induction of Efficient Rye Androgenesis
10.30 - 11.00	Coffee break
11.00 - 12.30	Session V: Genetics & Breeding of QTL and Useful Traits
<i>Chairs</i>	<i>Ainhoa Calleja-Rodriguez (Sweden) and Silvio Salvi (Italy)</i>
11.00 - 11.20 (+5)	Silvio Salvi (Italy): From QTLs and Mutants to Genes: Protocols and Approaches in Maize and Barley
11.25 - 11.40 (+5)	Ainhoa Calleja-Rodriguez (Sweden): Functional QTL Analysis for Adaptive Traits in a Three-Generation Scots Pine Pedigree
11.45 - 12.00 (+5)	Renata Słomnicka (Poland): Construction of a Genetic Map for Cucumber and Mapping of PSL Gene and QTL for Angular Leaf Spot Resistance
12.05 - 12.20 (+5)	Panthita Ruang-Areerate (UK): Genome-Wide Association Mapping for Grain Molybdenum in Rice (<i>Oryza Sativa L.</i>)
12.25 - 14.00	Lunch + Poster Session (all numbers)
14.00 - 15.30	Session VI: Genome Sequencing in Plant Breeding
<i>Chairs</i>	<i>Michele Morgante (Italy) and Gil Ronen (Israel)</i>
14.00 - 14.20 (+5)	Gil Ronen (Israel): Improving Genetic Research and breeding of the Most Complex Genomes with Denovo Assembly and Pan Genome Analysis
14.25 - 14.45 (+5)	Michele Morgante (Italy): Regulatory Elements and Regulatory Variation in Plants
14.50 - 15.10 (+5)	Marco Maccaferri (Italy): Development of Resources for Mapping, GWAS and Allele Mining in Tetraploid Wheat Based on Svevo Durum Reference Sequence
15.15 - 15.25 (+5)	Magdalena Kroc (Poland): Candidate Genes Involved in Quinolizidine Alkaloid Biosynthesis in Narrow-Leafed Lupin (<i>Lupinus Angustifolius L.</i>)
15.30 - 16.00	Coffee break
16.00 - 17.30	Session VII: Genome Editing & Biotechnology in Plant Breeding II
<i>Chairs</i>	<i>Luke Ramsay (UK) and Richard G. F. Visser (The Netherlands)</i>

16.00 - 16.20 (+5)	Richard G. F. Visser (The Netherlands): Future-Proof Crops: Challenges and Strategies for Climate Resilience Improvement
16.25 - 16.45 (+5)	Luke Ramsay (UK): Recombination in Large Genome Cereals
16.50 - 17.10 (+5)	Damiano Martignago (Spain): Genome Editing in Cereals: Case Studies on Sorghum and Wheat
17.15 - 17.30 (+5)	Masako Ichikawa (Japan): Efficient Protocol for Sorghum Transformation Mediated by Agrobacterium Tumefaciens
17.35 – 19.00	<i>Closing Ceremony, Conference Photo</i>