

Plant Genetics and Breeding Technologies

(February 1-2)

February 1 (Monday)

08.00 - 17.00	Registration and Poster Mounting
09.00 - 09.30	Opening Welcome address by Alisher Touraev (Austria) Welcome address by Bradley Till (Austria)
09.30 - 10.30	Keynote Lecture: Chengcai Chu (China): Rice Genetics: From Mechanisms to Breeding
10.30 - 11.00	Coffee break
11.00 - 12.30	Session I: Doubled Haploids & Polyploidy
<i>Chairs</i>	<i>Bradley Till (Austria) & Jochen Kumlehn (Germany)</i>
11.00 - 11.25 (+5)	Jochen Kumlehn (Germany): Current Developments in Haploid Technology
11.30 - 11.50 (+5)	Kseniya Krasileva (UK): Applying Exome-Capture Technology to Uncover the Hidden Functional Variation in Polyploid Wheat
11.55 - 12.10 (+5)	Hanne Denaeghel (Belgium): Polyploidisation as a Tool to Introgress Compact Growth in <i>Escallonia</i>
12.15 - 12.30 (+5)	Tim Kelliher (USA): CENH3 Haploid Induction Technology in Maize
12.35 - 14.00	Lunch
14.00 - 15.30	Session II: Gene Targeting & Mutagenesis
<i>Chairs</i>	<i>Chengcai Chu (China) & Sunghwa Choe (South Korea)</i>
14.00 - 14.25 (+5)	Sunghwa Choe (South Korea): CRISPR/Cas9-Based Plant Genome Editing without Involvement of <i>Agrobacterium</i> and its DNA
14.30 - 14.55 (+5)	Bradley Till (Austria): Mutation Discovery Technologies for Forward and Reverse-Genetics
15.00 - 15.10 (+5)	In-Jung Kim (South Korea): Phenotype of a Mutant Line of Satsuma Mandarin at the Microscopic Level
15.15 - 15.25 (+5)	Sneha Datta (Austria): TILLING by Sequencing
15.30 - 16.00	Coffee break
16.00 - 17.30	Session III: 'Omics' in Plant Genetics and Breeding
<i>Chairs</i>	<i>Nils Stein (Germany) & Kseniya Krasileva (UK)</i>
16.00 - 16.25 (+5)	Nils Stein (Germany): Mapping- and Cloning-by-Sequencing in a 5 Gigabase Crop Genome
16.30 - 16.55 (+5)	Christiaan Biemond (The Netherlands): How to Explore Datasets in Digital Phenotyping?
17.00 - 17.15 (+5)	Eliot F. Gomez (Sweden): Electronic Plants: What's Programmed in your

	<i>Garden?</i>
17.20 – 17.35 (+5)	Katarzyna Gajek (Poland): <i>Identification of New Alleles of Genes Related to Root Hair Development in Barley (<i>Hordeum Vulgare L.</i>) and Functional Analysis of their Orthologs in <i>Arabidopsis Thaliana</i></i>
17.40 – 18.30	Poster Session (All numbers)
18.30 - 20.00	Welcome Reception
February 2 (Tuesday)	
08.00 - 17.00	Registration
09.00 - 10.30	Session IV: Genomic Selection & Molecular Breeding
<i>Chairs</i>	<i>Miguel Perez-Enciso (Spain) & Sachiko N. Isobe (Japan)</i>
09.00 - 09.25 (+5)	Miguel Perez-Enciso (Spain): <i>Accurate Biological Information is Needed for Sequence Assisted Genomic Selection</i>
09.30 - 09.50 (+5)	Sachiko N. Isobe (Japan): <i>Will Genomic Selection be a Practical Method for Plant Breeding?</i>
09.55 - 10.10 (+5)	Jeffrey Leung (France): <i>An Anti-Abscisic Acid Metabolite Switch in <i>Arabidopsis</i></i>
10.15 - 10.25 (+5)	Chee Hark Harn (South Korea): <i>Use of Asymmetric Protoplast Fusion Method for Generating New Breeding Lines</i>
10.30 - 11.00	Coffee break
11.00 - 12.30	Session V: Molecular Mapping & Map Based Cloning
<i>Chairs</i>	<i>Roberto Tuberosa (Italy) & Marion Röder (Germany)</i>
11.00 - 11.25 (+5)	Roberto Tuberosa (Italy): <i>Prioritizing Qtls for Root System Architecture in Durum Wheat as Related to Yield Across a Broad Range of Moisture Availability</i>
11.30 - 11.50 (+5)	Marion Röder (Germany): <i>Association Genetics in European Winter Wheat Varieties</i>
11.55 - 12.10 (+5)	Quddoos ul Haq Muqaddasi (Germany): <i>Genome-Wide Association Mapping of Anther Extrusion in Hexaploid Spring Wheat</i>
12.15 - 12.25 (+5)	Junping Chen (USA): <i>Genetic Dissection of Heat Tolerance in Maize Germplasm and Sorghum AIMS Mutant Library</i>
12.30 - 14.00	Lunch
14.00 - 15.30	Session VI: Molecular Markers & Marker Assisted Selection
<i>Chairs</i>	<i>Marinus J. M. Smulders (The Netherlands) & Martin Ganal (Germany)</i>
14.00 - 14.25 (+5)	Marinus J. M. Smulders (The Netherlands): <i>Efficient Development of Genetic Markers Based on Next Generation Sequencing Data</i>
14.30 - 14.50 (+5)	Martin Ganal (Germany): <i>Development of Optimized and Cost-Efficient Genotyping Arrays for Plant Breeding</i>
14.55 - 15.10 (+5)	Thomas Letschka (Italy): <i>Marker Assisted Breeding in Apple: between</i>

	<i>Fruit Quality and Disease Resistance</i>
15.15 - 15.25 (+5)	Michal Slota (Poland): <i>The Optimization of a Novel Method for the Screening of Aluminum Tolerance of Barley Seedlings</i>
15.30 - 16.00	Coffee break
16.00 - 17.30	Session VII: Genetics & Breeding of QTL and Useful Traits
<i>Chairs</i>	<i>Mark. G. Aarts (The Netherlands) & Silvio Salvi (Italy)</i>
16.00 - 16.20 (+5)	Mark. G. Aarts (The Netherlands): <i>Genotype x Environment Interaction QTL Mapping in Plants: Lessons from Arabidopsis</i>
16.25 - 16.45 (+5)	Silvio Salvi (Italy): <i>The Crop QTLome Comes of Age</i>
16.50 - 17.05 (+5)	Fridman Eyal (Israel): <i>GxE Interactions under Abiotic Stresses in Wild and Interspecific Barley Mapping Populations with Acceleration to Gene Isolation by the ComSeq Approach</i>
17.10 - 18.00	Poster Session (All numbers) & Light Sandwich Dinner in the Poster Area (provided free)
18.00- 18.30	Closing Ceremony & Conference Photo
19.00 - 22.00	Conference Dinner Party -Traditional Austrian food and wine, located in one of Vienna's famous 'Heurigen' -Cost: 60,- EUR