

Plant Genes and “Omics”: Technology Development

(February 11-12, 2016)

February 11 (Thursday)

08.00 - 17.00	Registration and Poster Mounting
09.00 – 09.20	Opening Welcome Address by Alisher Touraev (Austria) Welcome address by Klaus Palme (Germany)
09.20 - 10.30	Keynote Lecture Holger Puchta (Germany): 20 Years of DSB-Induced Genome Engineering in Plants
10.30 -11.00	Coffee break
11.00 - 12.30	Session I: Forward /Reverse Genetics
<i>Chairs:</i>	<i>Klaus Palme (Germany) & Caixia X. Gao (China)</i>
11.00 - 11.30 (+5)	Caixia X. Gao (China): Precision Plant Breeding Using Genome Editing Technologies
11.35 - 12.05 (+5)	Carsten Richter (Conviron): How to Achieve Homogeneous Growth Conditions in a Plant Growth Chamber
12.10 - 12.25 (+5)	Taek Ryouon Kwon (South Korea): Phenotyping of Salt Tolerance Using Physiological Traits in Plants
12.30 - 14.00	Lunch + Poster Session (all numbers)
14.00 - 15.30	Session II: Sequencing Technologies & Bioinformatics
<i>Chairs:</i>	<i>Jose Luis Micol (Spain) & Keiichi Mochida (Japan)</i>
14.00 - 14.25 (+5)	Jose Luis Micol (Spain): Getting Started in Mapping-by-Sequencing
14.30 - 14.55 (+5)	Keiichi Mochida (Japan): Advances in Omics and Bioinformatics for Gene Discovery in Plants
15.00 - 15.25 (+5)	Manuel Martínez (Spain): Bioinformatic Tools to Integrate Plant Comparative Genomics with Protein Families
15.30 – 16.00	Coffee break
16.00 – 17.30	Session III: Plant “Omics”
<i>Chairs</i>	<i>Jesus V. Jorrin-Novo (Spain) & Wolfram Weckwerth (Austria)</i>
16.00-16.25 (+5)	Jesus V. Jorrin-Novo (Spain): Plant Proteomics: from Protein Catalogs to Biological Processes Through Integration with Other – Omics Approaches
16.30 – 16.55 (+5)	Wolfram Weckwerth (Austria): Green Systems Biology – Linking Genome-Scale Metabolic Modelling and OMICS Data in Ecology, Evolution and Development
17.00 – 19.00	Welcome Reception + Poster Session

February 12 (Friday)	
08.00 - 17.00	<i>Registration</i>
09.00 - 11.00	<u>Session IV: Plant “Omics” & Synthetic Biology</u>
<i>Chairs:</i>	<i>Robert D. Hall (The Netherlands) & Sixue Chen (USA)</i>
09.00 - 09.25 (+5)	Robert D. Hall (The Netherlands): <i>Practical Applications for Crop Metabolomics</i>
09.30 - 09.55 (+5)	Sixue Chen (USA): <i>Metabolomics of Abscisic Acid and CO2 Responses in Stomatal Guard Cells</i>
10.00 - 10.25 (+5)	Wilfried Weber (Germany): <i>Analyzing and Controlling Signalling Processes in Plants and Mammalian Cells</i>
10.30 – 10.55 (+5)	Mattheos Koffas (USA): <i>Engineering Plant Secondary Metabolite Biosynthesis in Microorganisms</i>
11.00 -12.00	Poster Session
12.00 – 13.00	Lunch
13.00 – 13.30	Closing Ceremony & Conference Photo
18.00 -21.00	Conference Dinner Party -Traditional Austrian food and wine, located in one of Vienna's famous 'Heurigen' -Cost: 60,- EUR