

**2nd International Conference “Plant Genome Editing & Genome Engineering”
(July 5 - 6)**

July 5 (Friday)

08.00 - 17.00	Registration
09.00 - 09.20	Opening Welcome address by Alisher Touraev (Local Organizer, Austria) Welcome address by Magdy Mahfouz (Saudi Arabia)
09.20 - 10.30	Keynote Lecture: Magdy Mahfouz (Saudi Arabia): Plant Genome Engineering for Targeted Improvement of Crop Traits
10.30 - 11.00	Coffee break
11.00 - 12.30:	Session I: Genome Editing Tools & Technology Development
<i>Chairs</i>	<i>Hiroaki Saika (Japan) & Magdy Mahfouz (Saudi Arabia)</i>
11.00 - 11.25 (+5)	Hiroaki Saika (Japan): Precise Mutagenesis and its Application in Rice
11.30 - 11.45 (+5)	Iris Koepfel (Germany): A Versatile Modular Vector System for RNA-Guided Cas Endonucleases
11.50 - 12.05 (+5)	Vera Karolina Schoft (Austria): CRISPR/Cas9 Service for Genome Editing in Plants
12.10 - 12.25 (+5)	Eszter Alexandra Farkas (Hungary): Enhancing Powdery Mildew Resistance in Grapevine using the CRISPR/Cas9 System
12.30 - 14.00	Lunch + Poster Session (all numbers)
14.00 - 15.30	Session II: Plant Transformation & Delivery Methods
<i>Chairs</i>	<i>Erika Toda (Japan) & Sergei Svitashv (USA)</i>
14.00 - 14.20 (+5)	Erika Toda (Japan): An Efficient DNA- and Selectable-Marker-Free Genome-Editing System Using Zygotes in Rice
14.25 - 14.45 (+5)	Sergei Svitashv (USA): Efficient Genome Editing in Maize Directed by CRISPR-Cas9 Technology
14.50 - 15.05 (+5)	Radi Aly (Israel): CRISPR/Cas9-Mediated Mutagenesis of CCD8 Gene in Tomato (<i>Solanum lycopersicum</i> Mill.) Provides Resistance to Parasitic Weeds
15.10 - 15.25 (+5)	James Chamness (USA): Developing Monocot Replicon Vectors for Improved Gene Targeting
15.30 - 16.00	Coffee break
16.00 - 17.30	Session III: Application of Genome Editing in Plant Biology
<i>Chairs</i>	<i>Kan Wang (USA) & Shujie Dong (USA)</i>
16.00 - 16.20 (+5)	Kan Wang (USA): CRISPR/Cas Directed Gene Mutagenesis and Site Targeted T-DNA Integration in Crop Species
16.25 - 16.45 (+5)	Shujie Dong (USA): Accelerating Crop Improvement through Novel Genome Editing Technologies

16.50 - 17.05 (+5)	Julia Jansing (Netherlands): CRISPR/Cas9-Mediated Glycoengineering in <i>Nicotiana benthamiana</i> for Plant Molecular Farming
17.10 - 17.25 (+5)	Solmaz Khosravi (Germany): Live Imaging of Chromatin in Plant Cells: a Challenging Task for CRISPR
17.30 - 19.00	Welcome Reception + Poster Session (all numbers)
19.00 - 22.00	Conference Dinner Party Traditional Austrian food and wine, located in one of Vienna's famous 'Heurigen' Cost: 50,- EUR
July 6 (Saturday)	
08.00 - 17.00	Registration
09.00 - 10.30	Session IV: Genome Editing for Crop Improvement I
<i>Chairs</i>	<i>Panagiotis Moschou (Sweden) & Huanbin Zhou (China)</i>
09.00 - 09.25 (+5)	Wendy Harwood (United Kingdom): Applications of Genome Editing in Wheat and Barley
09.30 - 09.45 (+5)	Hrvoje Fulgosi (Croatia): Thylakoid rhodanase-like Protein TROL as a Target for CRISPR/Cas9 Editing
09.50 - 10.05 (+5)	Lucas Lieber (Argentina): DNA-free Genome Editing in Soybean Explants
10.10 - 10.25 (+5)	Florian Rösch (Germany): High-throughput Screening for Genome-Editing Events on Single Cell Level
10.30 - 11.00	Coffee break
11.00 - 12.20	Session V: Genome Editing for Crop Improvement II
<i>Chairs</i>	<i>Wendy Harwood (United Kingdom) & Hrvoje Fulgosi (Croatia)</i>
11.00 - 11.20 (+5)	Panagiotis Moschou (Sweden): Catabolic Processes in Development and Stress. Phenotypic Novelty by CRISPR in Plants
11.25 - 11.45 (+5)	Huanbin Zhou (China): Development of a toolkit for targeted base editing in rice
11.50 - 12.00 (+5)	Robert Eric Hoffie (Germany): PDIL5-1 Knockout induced by Cas9 Endonuclease Confers Resistance of Barley to Bymoviruses
12.05 - 12.15 (+5)	Christian Hertig (Germany): Targeted Mutagenesis of BRANCHED HEAD Homoeoalleles Causes Alterations of Wheat Spike Architecture
12.20 - 12.30 (+5)	Heba A.H. Abd Elhameed (Hungary): Artificial Nucleases-Molecular Tools for Gene Therapy
12.35 - 14.00	Lunch + Poster Session (all numbers)
14.00 - 15.30	Session VI: Genome Editing & Engineering: Regulatory Aspects
<i>Chairs</i>	<i>Huanbin Zhou (China) & Lucas Lieber (Argentina)</i>
14.00 - 14.25 (+5)	Marcel Kuntz (France): Worldwide CRISPR Patent Landscape Shows Strong

	Geographical Biases
14.30 - 14.45 (+5)	David J. S. Hamburger (Germany): Normative Criteria and Their Inclusion in a Regulatory Framework for New Plant Varieties Derived From Genome Editing
14.50 - 15.05 (+5)	Tommaso Raffaello (Italy): New Breeding Techniques in the Context of the EU Regulation of GM Plants
15.10 - 15.25 (+5)	Yanping Yang (China): Analysis on Current Situation and Development Trend of Genome Editing for Crop improvement
15.30 - 16.00	Coffee break
16.00 - 17.00	Session VII: Round Table: Future of Genome Editing
<i>Chairs</i>	<i>Marcel Kuntz (France), David J.S. Hamburger (Germany), Magdy Mahfouz (Saudi Arabia)</i>
17.00 - 17.20	Closing Ceremony & Conference Photo