

# SCIENTIFIC PROGRAMME

## June 29 (Monday)

08.00 – 17.00	<i>Registration</i>
09.00 – 09.20	Opening Welcome address by <b>Alisher Touraev (Local Chair, VISCEA, Austria)</b> Welcome address by <b>Heribert Hirt (Co-Chair, Saudia Arabia/France)</b>
09.30 - 10.20 (+10)	Keynote Lecture: <b>Rainer Hedrich (Germany)</b> . Ion Channels Rescue Plants From Dehydration
10.30 - 11.00	<i>Coffee break</i>
<b>11.00 - 12.30</b>	<b>Session I: Plant Response to Cold &amp; Heat Stresses</b>
<b>Chairs</b>	<b>Yee-Yung Charng (Taiwan), Marc R Knight (UK)</b>
11.00 - 11.20 (+5)	<b>Yee-Yung Charng (Taiwan)</b> . Genetic Dissection of Thermotolerance: From Phenotyping to Envirotyping
11.25 - 11.45 (+5)	<b>Marc Knight (UK)</b> . Freezing Stress Tolerance: Signalling During Acclimation and Mechanisms of Tolerance
11.50 – 12.05 (+5)	<b>Rajeev Arora (USA)</b> . Cellular Mechanism of Post-Thaw Recovery, a Forgotten Component of Freezing Tolerance
12.10 – 12.25 (+5)	<b>Aina Prinzenberg (The Netherlands)</b> . The Genetics of Photosynthetic Cold-Responses in Brassica Rapa
12.40 - 14.00	<i>Lunch + Poster Session</i>
<b>14.00 - 15.30</b>	<b>Session II: Plant Response to Drought &amp; Salt Stresses</b>
<b>Chairs</b>	<b>Zhizhong Gong (China), Rainer Hedrich (Germany)</b>
14.00 - 14.20 (+5)	<b>Zhizhong Gong (China)</b> . Regulation of ABI1 in Arabidopsis
14.25 - 14.45 (+5)	<b>Miguel Botella (Spain)</b> . Endoplasmic Reticulum-Plasma Membrane (ER-PM) Contact Sites Mediated by SYT1 in Salt and Drought Tolerance
14.50 - 15.05 (+5)	<b>Sandra Schmöckel (Kingdom of Saudi Arabia)</b> . Regulation of Na <sup>+</sup> Transport, the Role and Control of AtHKT1;1 Expression in Arabidopsis Thaliana Ecotypes Col-0 and C24
15.10 - 15.25 (+5)	<b>Christiana Staudinger (Austria)</b> . Leaf Senescence During Drought is Modulated by Symbiotic Interaction in Medicago Truncatula
15.30 - 16.00	<i>Coffee break</i>
<b>16.00 - 17.30</b>	<b>Special Career Development &amp; Job Finder Session</b>
<b>Moderators:</b>	<b>Alisher Touraev</b>
16.00 - 16.30	Academy and Industry Lab Profiles: Short Presentations on Research & Development Activities
16.30 - 17.00	Young Researchers Profiles – Short Presentations of Selected Young Researchers
17.00 - 17.30	General Discussions and Get - Together in the JOB CORNER
17.30 - 19.00	<i>Welcome Reception + Poster Session</i>

## June 30 (Tuesday)

08.00 – 17.00	<i>Registration</i>
<b>09.00 - 10.30</b>	<b>Session III: Plant Response to Osmotic &amp; Oxidative Stresses</b>
<b>Chairs</b>	<b>Claudia Jonak (Austria), Miguel A Botella (Spain)</b>
09.00 - 09.25 (+5)	<b>Claudia Jonak (Austria)</b> . Salt Stress: Phosphorylation-Mediated Redox and Chromatin Regulation

- 09.30 - 09.40 (+5) **Yun Kang (USA)**. Genome-Wide Association of Drought and Salinity Stress Related Traits With Hapmap Snps in Medicago Truncatula
- 09.45 - 09.55 (+5) **Maija Sierla (Finland)**. Atypical Receptor Kinase RCD7 is A Central Regulator of Stomatal Function
- 10.00 – 10.10 (+5) **Karuppana Pandian (Germany)**. Response of Vicia faba L. Leaves to Progressive Drought Stress: in Situ Temporal Analysis Using Ratio Imaging Method
- 10.15- 10.25 (+5) **Emna Gharbi (France/Tunisia/Belgium)**. Effect of Salicylic Acid on the Interaction Between Ethylene and Polyamines in the Short Term Response of Tomato to Salinity Stress
- 10.30 – 11.00 *Coffee break*

#### **11.00 - 12.30** **Session IV: Plant Response to Nutrient & Flooding Stresses**

- Chairs** ***Laurentius Voesenek (The Netherlands), Ming-Che Shih (Taiwan)***
- 11.00 - 11.25 (+5) **Laurentius Voesenek (The Netherlands)**. Ethylene Priming: a New Mechanism that Confers Flooding Tolerance
- 11.30 - 11.50 (+5) **Ming-Che Shih (Taiwan)**. A Regulatory Cascade Involving Transcriptional and N-End Rule Pathways in Rice under Submergence
- 11.55 - 12.10 (+5) **Luciano do Amarante (Brasil)**. Futile NO-Cycle Enhances Pasteur Effect and Reduces Fermentation During Low-Oxygen Conditions in Soybean
- 12.15 - 12.25 (+5) **Claudia Meisrimler (France)**. Genetic Dissection of the Primary Root Growth Response to Low Phosphate in Arabidopsis
- 12.30 – 14.00 *Lunch + Poster Session*

#### **14.00 - 15.30** **Session V: «Omics» of Abiotic Stress Tolerance**

- Chairs** ***Heng Zhang (China), Setsuko Komatsu (Japan)***
- 14.00 - 14.20 (+5) **Heng Zhang (China)**. Characterization of ABA-related Alternative Splicing in Arabidopsis thaliana
- 14.25 – 14.45 (+5) **Setsuko Komatsu (Japan)**. Proteomic Technique for Identifying Flooding-Tolerant Mechanism in Soybean
- 14.50 - 15.05 (+5) **Daisuke Takahashi (Japan)**. GPI-Anchored Proteins in Response to Cold Acclimation: from “Omics” to “Physiology”
- 15.15 - 10.25 (+5) **Cezary Waszczak (Finland)**. Sulfenome Mining in A. Thaliana - Towards Identification of Apoplastic ROS Sensors
- 15.30 - 16.00 *Coffee break*

#### **16.00 - 17.30** **Special Career Development & Job Finder Session**

- Moderators** ***Alisher Touraev***
- 16.00 - 16.30 Academy and Industry Lab Profiles: Short Presentations on Research & Development Activities
- 16.30 - 17.00 Young Researchers Profiles – Short Presentations of Selected Young Researchers
- 17.00 - 17.30 General Discussions and Get - Together in the JOB CORNER
- 17.30 - 19.00 *Poster Session + Light Sandwich Dinner in the Poster area (provided free)*

### **July 1 (Wednesday)**

- 08.30 – 10.30 *Registration*

#### **09.00 - 10.30** **Session VI: Plant Abiotic Stress Signaling**

- Chairs** ***Heribert Hirt (Kingdom of Saudi Arabia & France), Xuemin Wang (USA)***
- 09.00 - 09.20 (+5) **Heribert Hirt (Kingdom of Saudi Arabia and France)**. The Role of ABA and MAPK Signaling Pathways in Plant Abiotic Stress Responses

09.25 - 09.45 (+5)	<b>Markus Teige (Austria).</b> Phosphorylation of a bZIP Transcription Factor Triggers Metabolic Reprogramming in Stress Acclimation
09.50 - 10.05 (+5)	<b>Ning Shao (Germany).</b> Investigating New Mediators of ROS Signal Transduction in Algae and Plants
10.10 – 10.25 (+5)	<b>Laura Cuyàs (France):</b> New Strategies to Identify Key Components of Pi Starvation Response Regulation in Plants
10.30 – 11.00	<i>Coffee break</i>
<b><u>11.00 - 12.30</u></b>	<b><u>Session VII: Breeding &amp; Biotechnology of Abiotic Stress Tolerance</u></b>
<b><i>Chairs</i></b>	<b><i>Zhulong Chan (China), Markus Taige (Austria)</i></b>
11.00 - 11.20 (+5)	<b>Zhulong Chan (China).</b> Improved Plant Abiotic stress Tolerance by Exogenous Small Molecules
11.25 - 11.40 (+5)	<b>Eri Adams (Japan).</b> CsTolen A Enhances Cesium Tolerance in Plants Through Reduction of Cesium Uptake
11.45 - 12.00 (+5)	<b>Enéas Ricardo Konzen (Brasil).</b> DREB Genes Polymorphisms and their Association With Drought Related Traits in Common Bean ( <i>Phaseolus vulgaris</i> L.)
12.05 - 12.20 (+5)	<b>Debatosh Das (The Netherlands).</b> Transcriptome Analysis of Ethylene and Shade Induced Hypocotyl Elongation in Arabidopsis
<b>12.30 - 13.00</b>	<b>Closing Ceremony, Conference Photo</b>