

**3<sup>rd</sup> International Conference Plant Nutrition, Growth  
& Environment Interactions”  
(February 20-21, 2017)**

**February 20 (Monday)**

<b>08.00 - 17.00</b>	<b>Registration</b>
09.00 - 09.20	<b>Opening</b> Welcome address by <b>Karl Mühling (Chair of the Conference, Germany)</b> Welcome address by <b>Alisher Touraev (Local Chair, Austria)</b>
09.20 - 10.30	<b>Keynote Lecture:</b> <b>Malcolm Hawkesford (UK):</b> Nutrient Use Efficiency in Wheat and Prospects for Improvement
<b>10.30 - 11.00</b>	<b>Coffee break + Mounting Posters</b>
<b>11.00 - 12.30:</b>	<b><u>Session I: Plant Nutrient: Acquisition, Homeostasis</u></b>
<i>Chairs</i>	<i>Edgar Peiter &amp; Stanislav Kopriva</i>
11.00 - 11.20 (+5)	<b>Gregory Vert (France):</b> Integrated Control of the Root Iron Uptake Machinery in Arabidopsis
11.25 - 11.45 (+5)	<b>Edgar Peiter (Germany):</b> Manganese Homeostasis in Plants - Balancing on the Ridge between Deficiency and Toxicity
11.50 - 12.10 (+5)	<b>Stanislav Kopriva (Germany):</b> Control of Sulfate Accumulation in Arabidopsis
12.15 - 12.35 (+5)	<b>Carsten Richter (Conviron, Germany):</b> Importance of Growth Chamber Conditions for Uniform Plant Growth
<b>12.40 - 14.00</b>	<b>Lunch + Poster Session (all numbers)</b>
<b>14.00 - 15.30</b>	<b><u>Session II: Plant Nutrition: Physiology and Mechanism</u></b>
<i>Chairs</i>	<i>Gregory Vert &amp; Timothy George</i>
14.00 - 14.25 (+5)	<b>Timothy George (UK):</b> Improving Crop Mineral Nutrition: Exploiting Knowledge of Uptake and Utilisation Efficiencies
14.30 - 14.55 (+5)	<b>Patrick Bienert (Germany):</b> Identification of Mechanisms Contributing to Boron Efficiency in Rapeseed and Arabidopsis Genotypes
15.00 - 15.10 (+5)	<b>Ekaterina Yotsova (Bulgaria):</b> Effect of Salicylic Acid on Photosystem II in Rice Plants
15.15 - 15.25 (+5)	<b>Mirza Hasanuzzaman (Japan):</b> Nitric Oxide-Mediated Regulation of Growth, Salt Accumulation and Nutrient Homeostasis in Mangrove Species, Kandelia Obovata Grown in Saline Soil
<b>15.30 - 16.00</b>	<b>Coffee break</b>
<b>16.00 - 17.30</b>	<b><u>Session III: Plant Nutrition: Symbiotic Interactions</u></b>
<i>Chairs</i>	<i>Martin Parniske &amp; Karin Groten</i>
16.00 - 16.20 (+5)	<b>Martin Parniske (Germany):</b> Correct Behaviour: How Plant Cells Respond Appropriately to Different Symbiotic Partners

16.25 - 16.45 (+5)	<b>Karin Groten (Germany):</b> Interaction with Arbuscular Mycorrhizal Fungi Alters Plant Phenotypes
16.50 - 17.10 (+5)	<b>Caroline Gutjahr (Germany):</b> Regulation of Arbuscular Mycorrhiza Development by GRAS Proteins
17.15 – 17.25 (+5)	<b>Cristina Cruz (Portugal):</b> The Soil Biotic Context Alters the Impacts of AMF on Plant Growth and Nutrient Acquisition
<b>17.30 - 19.00</b>	<b>Welcome Reception + Poster Session (all numbers)</b>
<b>February 21 (Tuesday)</b>	
<b>08.30 - 17.00</b>	<b>Registration</b>
<b>09.00 - 10.30</b>	<b>Session IV: Plant Nutrition: Fertilizers and Soil</b>
<i>Chairs</i>	<i>Karl H. Mühling &amp; Hans-Werner Olf</i>
09.00 - 09.25 (+5)	<b>Karl H. Mühling (Germany):</b> Magnesium the Forgotten Element: Improving Photosynthesis, Nutritional Status and Protein Content of Crop Plants by Mg Foliar Application
09.30 - 09.55 (+5)	<b>Hans-Werner Olf (Germany):</b> Slurry Injection in Maize Cropping: Enhancing Nutrient Use Efficiencies from Liquid Manure
10.00 - 10.10 (+5)	<b>Weronika Czaban (Denmark):</b> Ability vs. Opportunity – Elucidating White Clover Uptake of Organic N Using High-End Analytical Tools
10.15 - 10.25 (+5)	<b>Muhammad Firdaus Abdul Karim (UK/Malaysia):</b> Is it Carbon Derived from Plants or Soil Organic Matter that Drives Denitrification in Rice Cultivars?
<b>10.30 - 11.00</b>	<b>Coffee break</b>
<b>11.00 - 12.30</b>	<b>Session V: Signalling &amp; Hormones in Plant Growth and Development</b>
<i>Chairs</i>	<i>Gabriel Krouk &amp; Yrjo Helariutta</i>
11.00 - 11.20 (+5)	<b>Gabriel Krouk (USA):</b> A Systems View of Nitrogen Signaling Interactions
11.25 - 11.45 (+5)	<b>Yka Helariutta (UK):</b> Plasmodesmata-Mediated Intercellular Signaling During Plant Growth and Development
11.50 - 12.10 (+5)	<b>Sandrine Ruffel (USA):</b> Deciphering Cytokinin Dependent-Shoot Regulatory Network Controlling Root Response to Nitrate Heterogeneity
12.15 - 12.25 (+5)	<b>Eveline Queiroz de Pinho Tavares (Brazil):</b> Unravelling Root Constitutive Aerenchyma Formation by Auxin-Ethylene Regulation within Sugarcane Starved Plants Supported by mRNA and miRNA Transcript
<b>12.30 - 14.00</b>	<b>Lunch + Poster Session (all numbers)</b>
<b>14.00 - 15.30</b>	<b>Session VI: Environmental Regulation of Plant Growth &amp; Development</b>
<i>Chairs</i>	<i>Katrin Kahlen &amp; Michael Frei</i>
14.00 - 14.20 (+5)	<b>Michael Frei (Germany):</b> Interactions of Iron as a Redox Active Transition Metal with Plant Antioxidants
14.25 – 14.45 (+5)	<b>Katrin Kahlen (Germany):</b> Predicting Plant Performance under Simultaneously Changing Environmental Conditions

14.50 - 15.05 (+5)	<b>Kaining Zhou (Israel):</b> Effects of Photo-selective Netting on Root Growth and Development of Young Grafted Orange Trees in the Field
15.15 - 15.25 (+5)	<b>Xiaolin Chen (China):</b> Effect of Sulfated Polysaccharides from <i>Enteromorpha profifera</i> on Plants under NaCl Stress
<b>15.30 - 16.00</b>	<b><i>Coffee break</i></b>
<b>16.00 - 17.30</b>	<b><u>Session VII: Plant - Environment Interactions</u></b>
<i>Chairs</i>	<i>Philippe Vandenkoornhuyse &amp; Matsuo Uemura</i>
16.00 - 16.25 (+5)	<b>Philippe Vandenkoornhuyse (France):</b> The Toolbox of Plant Holobiont for Phenotypic Adjustment to Environment
16.30 – 16.55 (+5)	<b>Matsuo Uemura (Japan):</b> Interactions of Temperature and Light Signals in Plant Cold Acclimation for Survival in Changing Environment
17.00 - 17.15 (+5)	<b>Cengiz Toker (Turkey):</b> Interaction Between Fe-Deficiency Chlorosis and Temperature in Chickpea ( <i>Cicer Arietinum</i> L.)
<b>17.20 - 17.50</b>	<b>Closing Ceremony &amp; Conference Photo</b>
<b>19.00 - 22.00</b>	<b>Conference Dinner Party</b> -Traditional Austrian food and wine, located in one of Vienna's famous 'Heurigen' - <b>Cost: 50,- EUR</b>