

2nd International Conference Plant Cells <i>In Vitro</i>: Fundamentals & Applications (June 26-27, 2017)	
June 26 (Monday)	
08.00 - 17.00	Registration
09.00 - 09.20	Opening Welcome address by Klaus Palme (Conference Chair, Germany) Welcome address by Alisher Touraev (Local Chair, Austria)
09.20 - 10.20 (+10)	Keynote Lecture: Sacco De Vries (The Netherlands): The Fountain of Youth in Plants
10.30 - 11.00	Coffee break
11.00 - 12.30:	<u>Session I: Plant Cell Totipotency & Differentiation</u>
<i>Chairs</i>	<i>Lin Hu (China) & Momoko Ikeuchi (Japan)</i>
11.00 - 11.20 (+5)	Lin Xu (China): WOX11-Mediated De Novo Organogenesis in Plants
11.25 - 11.45 (+5)	Momoko Ikeuchi (Japan): Emergency Response and Safety Locking System of Plant Cell Differentiation
11.50 - 12.05 (+5)	Vaclav Motyka (Czech Republic): Endogenous Phytohormone Profiling during Norway Spruce Somatic Embryogenesis
12.10 - 12.25 (+5)	Kin-Ying To (Taiwan): <i>In Vitro</i> Regeneration, Genetic Assay of Chalcone Synthase, and Metabolic Engineering of Flavonoid Biosynthesis in the Economically Important Medicinal Plant Echinacea Pallida
12.30 - 14.00	Lunch + Poster Session (all numbers)
14.00 - 15.30	<u>Session II: Plant Cell Organogenesis & Regeneration</u>
<i>Chairs</i>	<i>Yuxin Hu (China) & Kin-Ying To (Taiwan)</i>
14.00 - 14.20 (+5)	Yuxin Hu (China): Restricting the Arabidopsis Regeneration Capacity by VLCFAs
14.25 - 14.45 (+5)	Klaus Palme (Germany): BioSystems Analysis of Plant Single Cells
14.50 - 15.05 (+5)	Marcela Morato Notini (Brazil): The Acquisition of Competence for Shoot Induction in Tomato is Driven by a Fine-Tuned Endogenous Auxin Status
15.10 - 15.25 (+5)	Marek Kucera (Czech Republic): Dynamics of Small Noncoding RNAs Pools During Dedifferentiation of Tobacco Cells and Plant Regeneration
15.30 - 16.00	Coffee break
16.00 - 17.30	<u>Session III: Somatic Embryogenesis</u>
<i>Chairs</i>	<i>Traud Winkelmann (Germany) & Sacco De Vries (The Netherlands)</i>
16.00 - 16.20 (+5)	Traud Winkelmann (Germany): Somatic Versus Zygotic Embryogenesis: Learning from Seeds
16.25 - 16.45 (+5)	Kim Boutilier (The Netherlands): A Chemical Enhancer (C1) of Arabidopsis Somatic Embryogenesis

16.50 - 17.00 (+5)	Sandra Correia (Portugal): Totipotency Acquisition in Plant Somatic Embryogenesis – Solanum Betaceum, a Case Study
17.05 - 17.15 (+5)	Gnanaraj Muniraj (India): Polyethylene Glycol Promoted <i>In Vitro</i> Somatic Embryogenesis in Green Gram [<i>Vigna Radiata</i> (L.) Wilczek]
17.20 - 17.35 (+5)	Anneke Horstman (The Netherlands): Get in Shape! Histone Deacetylation and Auxin Biosynthesis Control Microspore Embryo Patterning
17.40 - 19.00	<i>Poster Session (all numbers) + Welcome Reception</i>
June 27 (Tuesday)	
08.00 - 17.00	<i>Registration</i>
09.00 - 10.30	<u>Session IV: Haploid & Doubled Haploid Production Technologies</u>
<i>Chairs</i>	<i>Anne Britt (USA) & Thomas Widiez (France)</i>
09.00 - 09.20 (+5)	Anne Britt (USA): EMS-Inducible Mutations in CenH3 Create Haploid Inducers
09.25 - 09.45 (+5)	Thomas Widiez (France): How to Make Maize Seeds that Look “Not Like Dad”: New Insights in Double Fertilization and Prospects for Novel Breeding Tools
09.50 - 10.05 (+5)	Patricia Corral-Martinez (The Netherlands): Too Much Stress is Never Good!
10.10 - 10.25 (+5)	Mehran E. Shariatpanahi (Iran): Assessment of Different Androgenesis Systems for Production of Doubled Haploids in Sweet Pepper (<i>Capsicum Annuum</i> L.)
10.30 - 11.00	<i>Coffee break</i>
11.00 - 12.30	<u>Session V: Plant Protoplasts: Modern Application</u>
<i>Chairs</i>	<i>Matthew S. Grasso (USA) & Tom Broeckx (Belgium)</i>
11.00 - 11.25 (+5)	Matthew S. Grasso (USA): Engineering Mechanically Tunable Microenvironments for Individual Plant Cells
11.30 - 11.45 (+5)	Tom Broeckx (Belgium): Analysis of SnRK1 Regulation in Leaf Mesophyll Protoplasts
11.50 - 12.05 (+5)	Henrik Svennerstam (Sweden): Organic Nitrogen in Plant <i>In Vitro</i> Culture
12.10 - 12.25 (+5)	Fatima Aissa Abdi (France): A Defect in Primary Metabolism Promotes Morphogenesis
12.30 - 14.00	<i>Lunch + Poster Session (all numbers)</i>
14.00 - 15.30	<u>Session VI: Plant Micropropagation Technologies</u>
<i>Chairs</i>	<i>Pedro P. Gallego (Spain) & Yuling Jiao (China)</i>
14.00 - 14.20 (+5)	Pedro P. Gallego (Spain): Artificial Intelligence Tools to Better Understand and Model Plant Processes
14.25 - 14.45 (+5)	Yuling Jiao (China): Regulation of a Meristematic Cell Population Acting in Shoot Branching
14.50 - 15.05 (+5)	Vladan Ondrej (Czech Republic): <i>In Vitro</i> Micropropagation and Polyploidization Using Oryzalin of <i>Thymus Vulgaris</i>

15.10 - 15.25 (+5)	Natalya V. Romadanova (Kazakhstan): Optimization of Barberry Micropropagation and Cryopreservation
15.30 - 16.00	<i>Coffee break</i>
<u>16.00 - 17.30</u>	<u>Session VII: Miscellaneous</u>
<i>Chairs</i>	<i>Kim Boutilier (The Netherlands) & Takashi Okamoto (Japan)</i>
16.00 - 16.15 (+5)	Takashi Okamoto (Japan): <i>In Vitro</i> Fertilization System with Isolated Gametes: For Basic and Applied Plant Sciences
16.20 - 16.35 (+5)	Yuliya Fedorova (Russian Federation): Medicago Truncatula WOX Genes in the Regulation of Somatic Embryogenesis
16.40 - 16.55 (+5)	Barbara Wójcikowska (Poland): Trichostatin A (TSA), an Inhibitor of Histone Deacetylases, Induces Somatic Embryogenesis in Arabidopsis Explants via Auxin-Related Pathway
17.00 - 17.15 (+5)	Robert Tripepi (USA): Optimization of Shoot Organogenesis from Litchi Tomato Leaves
17.20 - 17.45	Closing Ceremony & Conference Photo
19.00 - 21.30	Conference Dinner Party -Traditional Austrian food and wine, located in one of Vienna's famous Restaurants -Cost: 50,- EUR