

# Plant Cells in Vitro: Theory and Practice

(February 8-9)

## February 8 (Monday)

<b>08.00 - 17.00</b>	<b>Registration</b>
09.00 - 09.20	<b>Opening</b> Welcome address by <b>Alisher Touraev (Austria)</b> Welcome address by <b>Andreas Bachmair (Austria)</b>
09.20 - 10.30	<b>Keynote Lecture: Klaus Palme (Germany):</b> <i>Plant Single Cells for High-Throughput Imaging and Systems Analysis</i>
<b>10.30 - 11.00</b>	<b>Coffee break</b>
<b>11.00 - 12.30:</b>	<b><u>Session I: Plant Cell Totipotency</u></b>
<i>Chairs</i>	<i>Klaus Palme &amp; Kim Boutilier (The Netherlands)</i>
11.00 - 11.20 (+5)	<b>Kim Boutilier (The Netherlands):</b> <i>The LAFL Network is a Direct and Integral Downstream Component of BABY BOOM Signaling</i>
11.25 - 11.45 (+5)	<b>Misato Ohtani (Japan):</b> <i>RNA Metabolism Regulation Important for Plant Cell Potency</i>
11.50 - 12.10 (+5)	<b>Ying Hua Su (China):</b> <i>A System of Studying Plant Cell Totipotency</i>
12.15 - 12.25 (+5)	<b>Marek Kucera (Czech Republic):</b> <i>Expression Lability of Epigenetic Genes During Dedifferentiation of Tobacco Cells and Plant Regeneration</i>
<b>12.30 - 14.00</b>	<b>Lunch + Poster Session (all numbers)</b>
<b>14.00 - 15.30</b>	<b><u>Session II: Organogenesis &amp; Regeneration In Vitro</u></b>
<i>Chairs</i>	<i>George Eric Schaller (USA) &amp; Danny Geelen (Belgium)</i>
14.00 - 14.20 (+5)	<b>George Eric Schaller (USA):</b> <i>Enhancing Plant Regeneration in Tissue Culture: a Molecular Approach Through Manipulation of Cytokinin Sensitivity</i>
14.25 - 14.45 (+5)	<b>Danny Geelen (Belgium):</b> <i>Adventitious Root Induction in Arabidopsis Thaliana as a Model for in Vitro Root Organogenesis</i>
14.50 - 15.10 (+5)	<b>Miguel Ángel Moreno Risueño (Spain):</b> <i>Starting Root Organogenesis and Rooting: New Factors Integrate Cell Fate Specification and Auxin Signaling</i>
15.15 - 15.25 (+5)	<b>Karel Dolezal (Czech Republic):</b> <i>Development of New cytokinin Derivatives as a Tool to Understand and Improve Establishment of Micropropagated Plantlets</i>
<b>15.30 - 16.00</b>	<b>Coffee break</b>
<b>16.00 - 17.30</b>	<b><u>Session III: Somatic Embryogenesis</u></b>

<b>Chairs</b>	<i>Xian Sheng Zhang (China) &amp; Attila Feher (Hungary)</i>
16.00 - 16.25 (+5)	<b>Xian Sheng Zhang (China):</b> <i>Antagonism Between Auxin and Cytokinin Controls Shoot Regeneration in Arabidopsis</i>
16.30 - 16.55 (+5)	<b>Attila Feher (Hungary):</b> <i>The Many Ways of Embryo Development from Somatic Cells</i>
17.00 - 17.15 (+5)	<b>Anna Maria Wójcik (Poland):</b> <i>MiR166, a New Element in the LEC2-Controlled Pathway of Somatic Embryogenesis Induction in Arabidopsis</i>
17.20 - 20.00	<b>Poster Session (all numbers) + Welcome Reception</b>
<b>February 9 (Tuesday)</b>	
<b>08.00 - 17.00</b>	<b>Registration</b>
<b>09.00 - 10.30</b>	<b>Session IV: Anther/Microspore Cultures: Androgenesis</b>
<b>Chairs</b>	<i>María Pilar Valles (Spain) &amp; Iwona Żur (Poland)</i>
09.00 - 09.20 (+5)	<b>María Pilar Valles (Spain):</b> <i>Genes Involved in Wheat Early Microspore Embryogenesis</i>
09.25 - 09.45 (+5)	<b>Iwona Żur (Poland):</b> <i>Current Insights into Hormonal Regulation of Microspore Embryogenesis</i>
09.50 - 10.05 (+5)	<b>Alison Ferrie (Canada):</b> <i>Doubled Haploidy for Canadian Spring Wheat Germplasm</i>
10.10 - 10.25 (+5)	<b>Mehran E. Shariatpanahi (Iran):</b> <i>Improved Microspore Embryogenesis and Regeneration Using Proline, Chitosan, Putrescine, Cefotaxime, Vancomycin and Abscisic Acid in Brassica Napus L.</i>
<b>10.30 - 11.00</b>	<b>Coffee break</b>
<b>11.00 - 12.30</b>	<b>Session V: Ovary/Ovule Cultures: Gynogenesis</b>
<b>Chairs</b>	<i>Borut Bohanec (Slovenia) &amp; Ana M. Castillo (Spain)</i>
11.00 - 11.20 (+5)	<b>Borut Bohanec (Slovenia):</b> <i>Doubled Haploids via Gynogenesis in Higher Plants: an Update</i>
11.25 - 11.45 (+5)	<b>Ana M. Castillo (Spain):</b> <i>Doubled Haploid Production from Spanish Onion (<i>Allium cepa</i> L.) Germplasm</i>
11.50 - 12.05 (+5)	<b>Jeroen Van der Veken (Belgium):</b> <i>Ovule Culture in <i>Cichorium Intybus</i> L.: Effect of Medium Composition</i>
12.10 - 12.25 (+5)	<b>Vanesa Cano (Spain):</b> <i>Agrobacterium-Mediated Transformation of Cork Oak Somatic Embryos with a Thaumatin-Like Protein (CsTL1) Gene</i>
12.30 - 14.00	<b>Lunch + Poster Session (all numbers)</b>
<b>14.00 - 15.30</b>	<b>Session VI: Cell Suspensions /Bioreactors</b>
<b>Chairs</b>	<i>Lorella Navazio (Italy) &amp; Stefan Schillberg (Germany)</i>
14.00 - 14.20 (+5)	<b>Lorella Navazio (Italy):</b> <i>Plant Cell Suspension Cultures: a Versatile Tool</i>

	<i>to Dissect the Complexity of Plants</i>
14.25 – 14.45 (+5)	<b>Stefan Schillberg (Germany):</b> <i>Molecular Farming of Pharmaceutical Proteins Using Plant Suspension Cell Cultures</i>
14.50 - 15.10 (+5)	<b>Fumihiko Sato (Japan):</b> <i>Functional Differentiation of Plant Cells in Vitro and their Biotechnological Applications for Secondary Metabolite Production</i>
15.15 - 15.25 (+5)	<b>Anna Jesionek (Poland):</b> <i>Liquid Shoot Cultures of Rhododendron Tomentosum (Ledum palustre) for a Large-Scale Production of Volatile Compounds in Bioreactor Systems</i>
<b>15.30 - 16.00</b>	<b>Coffee break</b>
<b><u>16.00 - 17.30</u></b>	<b><u>Session VII: Technical tools: Protoplasts, Transformation &amp; Micropropagation</u></b>
<i>Chairs</i>	<i>Sunghwa Choe (China) &amp; Henes Bernhard (Switzerland)</i>
16.00 - 16.25 (+5)	<b>Sunghwa Choe (South Korea):</b> <i>DNA-Free Genome Editing of Lettuce Protoplasts and Regeneration of Whole Plants</i>
16.30 – 16.45 (+5)	<b>Henes Bernhard (Switzerland):</b> <i>A Success Story of Plant Cells for Modern Cosmetics</i>
16.50 - 17.05 (+5)	<b>Olaf Tietz (Germany):</b> <i>BioSystems Analysis of Microspores</i>
17.10-17.30	<b>Closing Ceremony &amp; Conference Photo</b>
18.00 - 21.00	<b>Conference Dinner Party</b> -Traditional Austrian food and wine, located in one of Vienna's famous 'Heurigen' -Cost: 60,- EUR