

Organizers:

Prof. Maliga P (USA)
Prof. Touraev A (VISCEA, Austria)

Location:

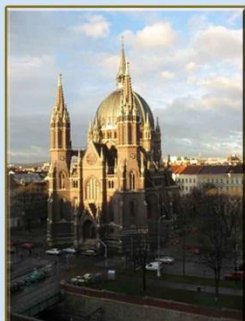
Bundesamtsgebäude Radetzkystraße,
Hintere Zollamtsstraße 1,
1031 Vienna, Austria



Plant Transformation Technologies III

International Conference

February 12-14th 2014, Vienna, Austria



Plant transformation is now a core research tool to fight against hunger, to open up the new avenues of science, to evolve the crop varieties which are multipurpose, producing high harvests under normal and natural stressful conditions to make Earth green and prosperous. The major technical challenge facing plant transformation is the development of methods and constructs to produce a high proportion of plants showing predictable transgene expression without collateral genetic damage. Current key objectives of the plant transformation technologies are understanding and control of transgene intergration, expression and stability in plants, to provide improved transformation systems, address biosafety considerations and to develop GM crops for the benefit of developing countries.

Invited speakers:

P. Christou (Spain), S. Gelvin (USA), H. Jones (UK), H. Puchta (Germany), P. Maliga (USA), R. Bock (Germany), J. Birchler (USA), A. Depicker (Belgium), V. Citovsky (USA), F. Eudes (Canada), I. Holme (Denmark), D. Somers (USA), D. Rosellini (Italy), V. Srivastava (USA), J. Petolino (USA), D. Schaefer (Switzerland), H. Daniell (USA), E. Stöger (Austria), T. Wendt (Denmark), M. Mette (Germany), A. Day (UK), L. Lee (USA), C. Gao (China)

International Conference “Plant Transformation Technologies III” will discuss the criteria to verify plant transformation; the biological and practical requirements for transformation systems; the integration of tissue culture, gene transfer, selection, and transgene expression strategies to achieve transformation in recalcitrant pieces; and other constraints to plant transformation.

Conference covers following topics:

Selectable & Screenable Markers & Reporters for Plant Transformation
Biolistic Particle Bombardment Mediated Gene Transfer into Plants
Gene targeting in Plants (ZFNs, TALEN, Homologous Recombination)
Methods to Produce Marker-free Transgenic Plants
Ethical and Social Aspects of Plant Transformation
Transplastomic Plants and Plastid biotechnology
Non Agrobacterium Plant Transformation Methods:
Microinjection, Electroporation and Others

Agrobacterium Mediated Plant Transformation
Transformation of Agronomic Important Crops
Recent Advances in Plant Transformation
Genome Stability in Transgenic Plants
Plant Promoters for Transformation
Transgenic Plants as BioFactories
Plant Transformation Vectors

Vienna is located in the heart of Europe on the banks of the Danube River, and considered as one of the most important economic, cultural and touristic large cities of central Europe. Apart from providing top science, the Conference will capture the spirit of the city thanks to the central location of the venue offering a multitude of cultural events.



Contact:

E-mail: plant-transformation@viscea.org Web: <http://viscea.org/index.php/plant-transformation>
Bundesamtsgebäude Radetzkystraße, Hintere Zollamtsstraße 1, 1031 Vienna, Austria