

**8<sup>th</sup> International Symposium on “New development in green gene technology”  
1-4 September 2009, Szeged, Hungary**

**Scientific program**

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**1<sup>st</sup> September, 2009, Tuesday**

16.00–20.00 Registration and poster mounting  
19.00– Welcome reception

**2<sup>nd</sup> September, 2009, Wednesday**

9.00–11.00 Registration and poster mounting  
11.00–11.10 **Dénes Dudits** - Opening as local organizer

**11.10–13.10 Session 1: Gene isolation strategies in the genomic era**

Chairperson: **György B. Kiss** (Gödöllő, Hungary)

1. **Dirk Inzé** (Ghent, Belgium) *30+10 min*  
Control of organ size in *Arabidopsis*
2. **Margarita Welander** (Alnarp, Sweden) *20+5 min*  
Development of a new strategy for apple breeding using early flowering genes
3. **János Györgyey** (Szeged, Hungary) *20+5 min*  
Transcriptomics approach in indentifying genes involved in the drought adaptation of the root system in cereals
4. **Endre Sebestyén** (Martonvásár, Hungary) *20+5 min*  
Identifying conserved promoter motifs and transcription factor binding sites in orthologous plant promoter collections

13.10–14.30 Lunch

**14.30–16.30 Session 2: In Vitro Culture Systems: Plant Propagation**

Chairperson: **Radomira Vankova** (Praha, Czech Republic)

5. **Anna Preťová** (Nitra, Slovak Republic) *30+10 min*  
The many dimensions of plant tissue culture research and applications
6. **Josef Spak** (Praha, Czech Republic) *20+5 min*  
New *in vitro* method for the evaluation of antiviral activity of chemicals against plant viruses.
7. **Margarita Welander** (Alnarp, Sweden) *20+5 min*  
Temporary immersion as a new concept for large scale micropropagation
8. **Jonas Žiauka** (Kaunas distr., Lithuania) *20+5 min*  
Gibberellin oxidase inhibitor prohexadione-calcium promotes aspen development *in vitro* under particular conditions

16.30–17.00 Coffee break

**17.00- Poster session**

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**3<sup>rd</sup> September, 2009, Thursday**

**9.00–11.00 Session 3:**

**Gene technology to improve biotic and abiotic stress tolerance of crop plants**

Chairperson: **Balázs Barna** (Budapest, Hungary)

**9. Gábor V. Horváth** (Szeged, Hungary) *30+10 min*

Bioengineering crop resistance: „Citius, Altius, Fortius”

**10. Jitka Najmanova** (Brno, Czech Republic) *20+5 min*

Preparation of transgenic plants with enhanced heavy metal tolerance and accumulation

**11. Attila Fehér** (Szeged, Hungary) *20+5 min*

Overexpression of the multifunctional At NRP1 protein in transgenic plants results in improved heat shock tolerance and increased yield

**12. Radomira Vankova** (Prague and Olomouc, Czech Republic) *20+5 min*

Phytohormone functions in stress responses and their utilization for the improvement of plant stress tolerance

11.00–11.30 Coffee break

**11.30-13.30 Session 4:**

**Transgenic plants for sustainable plant production: yield and bioenergy**

Chairperson: **Dirk Inze** (Gent, Belgium)

**13. Kerstin Kramer** (Brussels, Belgium) *30+10 min*

The Role of Plant Biotechnology in Modern Sustainable Agriculture

**14. György B. Kiss** (Gödöllő, Hungary) *20+5 min*

Highlights of recent research in plant biotechnology at the Agricultural Biotechnology Center

**15. Serik Eliby** (Adelaide, Australia) *20+5 min*

Towards drought tolerant cisgenic wheat for agriculture

**16. Imre Vass** (Szeged, Hungary) *20+5 min*

Complex plant phenotyping as a tool to assess tolerance of wheat plants against drought stress

13.30–15.00 Lunch

15.00– Excursion to Ópusztaszer National Historical Memorial Park

19.00– Conference dinner

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**4<sup>th</sup> September, 2009, Friday**

**9.00–11.00 Session 5: Plant-based biotechnologies to support human health**

Chairperson: **Moon-Sik Yang** (Jeonju, Republic of Korea)

- 17. Armin Spök** (Graz, Austria) *30+10 min*  
Molecular farming – opportunities and challenges associated with the production of valuable proteins in GM plants
- 18. Matoušek, Jaroslav** (Č. Budějovice, Czech Republic) *20+5 min*  
Hop (*H. lupulus*) as a source of anticarcinogenic pharmaceuticals and antitumorogenic nuclease
- 19. Boglárka Németh** (Martonvásár, Hungary) *20+5 min*  
The influence of AmA1 protein on some nutritional quality properties of wheat (*Triticum aestivum* L.)
- 20. Maria Oszvald** (Budapest, Hungary) *20+5 min*  
Development of edible vaccines in rice endosperm

11.00–11.30 Coffee break

**11.30–13.30 Session 6: Transgenes in environmentally friend agriculture, biosafety**

Chairperson: **Kerstin Kramer** (Brussels, Belgium)

- 21. Martina Mackova** (Prague, Czech Republic) *30+10 min*  
Transgenic plants as ecological sources of improved remediation approaches
- 22. Jaroslav Drobnik** (Prague, Czech Republic) *20+5 min*  
Science in the risk assessment
- 23. Ervin Balázs** (Martonvásár, Hungary) *20+5 min*  
Gene flow and risk assessment
- 24. Eva Boszorádová-Vaculková** (Nitra, Slovak Republic) *20+5 min*  
Marker-free transgenic plants acquired using self excision Cre/loxP recombination system driven by the seed specific promoter

13.30–13.45 Closing

13.45– Lunch and departure