



European Plant Science Organisation
3rd EPSO Conference
“Plant Dynamics: from Molecules to Ecosystems”
Thermal Hotel Visegrád, Visegrád, Hungary
28 May – 1 June 2006



<http://www.epsoweb.org/catalog/conf2006.htm>

Program, 28.5.06

Sunday		28 May 2006	
From 13:00	Registration		
15:00 – 15:30	Opening Chair: Karin Metzloff, Gent, BE & Denes Dudits, Szeged, HU	Speakers: Karin Metzloff and Denes Dudits (10 min) <i>Executive Director of the European Plant Science Organisation</i> <i>Director General of the Biological Research Center, Hungarian Academy of Sciences</i> Welcome from EPSO Jozef Hamori , HU (10 min) Vice-President of the Hungarian Academy of Sciences Miklós Boda , HU (10 min) President of the National Office for Research and Technology	
15:30 – 17:00	Plant Science in Europe – Science Policy I Chair: Mike Bevan, Norwich, UK	Speakers: Marc Zabeau , Gent, BE (45 + 10 min) S003 Plant science in Europe – and the contribution of EPSO Manuel Hallen , European Commission (30 + 5 min) S 002 Head of Unit Strategy and Policy Directorate E: Biotechnology, agriculture and food Plant biotechnology opportunities and perspectives for a European knowledge based bio-economy	
17:00 – 17:30	Break		
17:30 – 19:30	Plant Science in Europe – Science Policy II Chair: Mike Bevan, Norwich, UK	Speakers: Pierre de Wit , Wageningen, NL (30 + 5 min) S004 White paper from the EPSO Workshop “Environmental Plant Biology” Rainer Fischer , Aachen, DE (30 + 5 min) S005 White paper from the EPSO Workshop “Molecular Farming” Chris Somerville , Stanford, USA (45 + 5 min) S006 The future of biofuels	
20:00 – 23:00	Welcome Reception		
Monday		29 May 2006	
8:30 – 10:30	The dynamic genome I: Genome evolution/comparative genomics Chair: Dani Zamir, Jerusalem, IL Co-Chair: György Botond Kiss, HU	Speakers: Dani Zamir , Jerusalem, IL (30 + 5 min) S 007 A systems approach to complex phenotypes György Botond Kiss , Gödöllő, HU (25 + 5 min) S 008 Genomics and its use to study plant-pathogen interactions in <i>Medicago</i> Michele Morgante , Udine, IT (25 + 5 min) S 009 Genome evolution, junk DNA and functional variation	

		Giovanna Frugis , Rome, IT (15 + 5 min) S 010 Post-genomics of forage legumes: an Italian initiative to set up genetic tools to improve forage quality and eco-compatibility
10:30	Coffee Break	
11:00 – 13:00	The dynamic genome II: Non-coding RNAs Chair: Detlef Weigel , Tübingen, DE Co-Chair: József Burgyán , HU	Speakers: Detlef Weigel , Tübingen, DE (30 + 5 min) S 011 Plant microRNAs: insights from whole-genome analyses Pamela Green , Newark, USA (25 + 5 min) S 012 Elucidating the small RNA component of the transcriptome David Baulcombe , Norwich, UK (25 + 5 min) S 013 RNA silencing in defense and development John Brown , Dundee, UK (15 + 5 min) S 014 Non-coding RNAs from the Arabidopsis nucleolus
13:00	Lunch	
15:00 – 17:00	The dynamic genome III: Chromatin remodelling / epigenetic control Chair: Caroline Dean , Norwich, UK Co-Chair: Gábor Horváth V. , HU	Speakers: Caroline Dean , Norwich, UK (30 + 5 min) S 015 Linking RNA processing, RNAi and chromatin in <i>FLC</i> regulation Milos Tanurdzic , Cold Spring Harbor, USA (25 + 5 min) Chromatin remodeling, DNA methylation and RNAi S 016 Ueli Grossniklaus , Zürich, CH (25 + 5 min) S 017 Epigenetic control of seed development in <i>Arabidopsis</i> Ingo Schubert , Gatersleben, DE (15 + 5 min) S 018 Persistent and dynamic features of chromosome/chromatin arrangement in higher plants
17:00	Coffee Break	
17:30 – 19:30	Science and Society: Industrial applications of plant science Chair: Karin Metzlauff , Gent, BE Co-Chair: László Erdei , HU	Speakers: Karin Metzlauff , Gent, BE (5 min) Introduction Marc Cornelissen , BioScience Research, Bayer CropScience NV, Gent, BE (15 min) S 020 Science for a better life – Plants for the bio-based economy Rishi Bhalerao , Umea University, SE (15 min) Forest Biotechnology – from basic research to industrial applications S 021 Ying Wang , Novartis Pharma, Basel, CH (15 min) S 022 Opportunities and challenges for plant sciences in modern drug R&D Vincent Pétiard , Nestlé, Tours, FR (15 min) S 023 Potential impacts of Plant Sciences and genomics on Food Industry Discussion (40 min)
19:30 – 20:30	Poster Session I with snacks and drinks Chair: Kirsi-Marja Oksman-Caldentey , Espoo, FI	19:30 – 20:00 Even poster numbers will be attended 20:00 – 20:30 Uneven poster numbers will be attended
21:00 - 22:30	Industry session on Co-existence Chair: Pál Venetianer , HU Co-Chair: Ervin Balázs , HU	Speakers: Pál Venetianer , HU (5 min) Introduction Simon Barber , EuropaBio, BE (25 + 5 min) S 024 Politics and Policies around Plant Biotechnology in the EU

Guy Poppy, Southampton, UK (25 + 5 min) **S 025**
Risk Assessment of GM crops - A scientific and public relations challenge

Andrew Cockburn, Newcastle, UK (25 + 5 min) **S 026**
An overview of the EU safety assessment process of Foods from GM crops

Tuesday 30 May 2006

8:30 – 10:30 **The dynamic plant - growth and development I: Cell division, cell growth and organ development**
Chair: Phil Benfey, Durham, USA
Co-Chair: Attila Fehér, HU

Speakers:

Phil Benfey, Durham, USA (30 + 5 min) **S 027**
A systems biology approach to understanding root development

Herman Höfte, Versailles, FR (25 + 5 min) **S 028**
Coordination between cell wall synthesis and cell elongation during organ formation

Christian Hardtke, Lausanne, CH (25 + 5 min) **S 029**
Isolating unknown modifiers of known pathways in root development by exploiting natural genetic variation

Hilde Nelissen, Gent, BE (15 + 5 min) **S 030**
Elongator in plants: a novel view on organ growth

10:30 Coffee Break

11:00 – 17:00 Excursion

17:30 – 19:30 **The dynamic plant - growth and development II: Transitions in plant development**
Chair: Cris Kuhlemeier, Bern, CH
Co-Chair: Ferenc Nagy, HU

Speakers:

Cris Kuhlemeier, Bern, CH (30 + 5 min) **S 031**
A plausible model of phyllotaxis

Marja Timmermans, New York, USA (25 + 5 min) **S 032**
Organ polarity is specified through the opposing activity of two small regulatory RNAs

Jan Traas, Versailles, FR (25 + 5 min) **S 033**
Modelling cell growth and differentiation at the shoot apical meristem

Friedrich Kragler, Vienna, AT (15 + 5 min) **S 034**
Identification of a Transport Regulator of the Stem Cell Identity Homoeodomain Protein KNOTTED1/STM

19:30 Break

20:30 – 22:30 **Responding to the dynamic environment I: Light and abiotic stresses**
Chair: Peter Quail, Albany, USA
Co-Chair: Imre Vass, HU

Speakers:

Peter Quail, Albany, USA (30 + 5 min) **S 035**
Phytochrome Photosensory Signaling and Transcriptional Networks

Xing-Wang Deng, New Haven, USA (25 + 5 min) **S 036**
The COP protein complexes define a regulatory switch for control of development in *Arabidopsis*

Christian Fankhauser, Lausanne, CH (25 + 5 min) **S 037**
Early nuclear and cytoplasmic events in phytochrome signaling

Roman Ulm, Freiburg, DE (15 + 5 min) **S 038**
Regulation of UVB-induced photomorphogenesis in *Arabidopsis*

Wednesday 31 May 2006

8:30 – 10:00 **Dynamic populations I: Ecophysiology: natural habitats / crops**
Chair: Stefan Jansson, Umea, SE
Co-Chair: Zoltán Tuba, HU

Speakers:

Stefan Jansson, Umea, SE (25 + 5 min) **S 039**
Real world genomics

Bruce Osborne, Dublin, IE (25 + 5 min) **S 040**
Looking at acclimation in a new light

		Marcel Dicke , Wageningen, NL (25 + 5 min) S 041 Ecogenomics of plant-attacker interactions: from gene to ecology
10:00	Coffee Break	
10:30 – 12:00	Responding to the dynamic environment III: Protein Dynamics Chair: Richard Vierstra , Madison, USA Co-Chair: Csaba Koncz , HU	Speakers: Richard Vierstra , Madison, USA (25 + 5 min) S 042 Diverse roles of ubiquitin and ubiquitin-like proteins in plant biology Hanjo Hellmann , Berlin, DE (25 + 5 min) S 043 Description of complex assembly and impact on plant development of the <i>Arabidopsis</i> E3 subunit CUL4 Rudy Maor , Norwich, UK (25 + 5 min) S 044 Proteomic analysis of protein ubiquitination in <i>Arabidopsis thaliana</i>
12:00 – 13:00	Poster Session II Chair: Wilhelm Grissem , Zürich, CH	12:00 – 12:30 Even poster numbers will be attended 12:30 – 13:00 Uneven poster numbers will be attended
13:00	Lunch	
15:00 – 17:00	Responding to the dynamic environment IV: Plant-microbe interactions Chair: Paul Schulze-Lefert , Cologne, DE Co-Chair: Ádám Kondorosi , HU	Speakers: Paul Schulze-Lefert , Cologne, DE (30 + 5 min) S 045 The molecular basis of non-host resistance to invasive fungi Olivier Voinnet , Strasbourg, FR (25 + 5 min) S 046 RNA silencing in plant-pathogen interactions Xinnian Dong , Durham, USA (25 + 5 min) S 047 Induction of disease resistance in plants Satoko Yoshida , Munich, DE (15 + 5 min) S 048 Seven In Absentia Homologues of <i>Lotus japonicus</i> Interact with Symbiosis-Receptor Kinase (SYMRK)
17:00	Coffee Break	
17:30 – 19:30	Responding to the dynamic environment II: Hormones Chair: Salomé Prat , Madrid, ES Co-Chair: Zsófia Bánfalvi , HU	Speakers: Salomé Prat , Madrid, ES (30 + 5 min) S 049 DELLA repressor inhibition of plant cell growth Stefan Kepinski , Umea/York, SE/UK (25 + 5 min) S 050 Auxin perception and response mediated by the ubiquitin-ligase SCF ^{TR1} Tatsuo Kakimoto , Osaka, JP (25 + 5 min) S 051 Biosynthesis and signal transduction of cytokinins Sabrina Sabatini , Rome, IT (15 + 5 min) S 052 Growth control of the <i>Arabidopsis</i> root meristem by Cytokinin
20:00	Conference Dinner	Prices for the three best posters will be awarded
Thursday	01 June 2006	
8:30 – 10:00	Dynamic populations II: Biodiversity Chair: Sandy Knapp , London, UK Co-Chair: Ilona Peszlen , HU/USA	Speakers: Sandy Knapp , London, UK (25 + 5 min) S 053 Biodiversity conservation – whose job is it, how can we do it and is it even possible? Rob DeSalle , New York, USA (25 + 5 min) S 054 High throughput analytical tools for CboL and AToL Hanna Tuomisto , Turku, FI (25 + 5 min) S 055 Biodiversity at different scales: what do we really know about the diversity of tropical rain forests?

10:00	Coffee Break	
10:30 – 12:00	Dynamic populations III: Population dynamics, ecology Chair: Magnus Nordborg , Los Angeles, USA Co-Chair: Ilona Meszaros , HU	Speakers: Magnus Nordborg , Los Angeles, USA (25 + 5 min) S 056 Genome-wide scans for adaptively important polymorphisms in <i>Arabidopsis thaliana</i> Joy Bergelson , Chicago, USA (25 + 5 min) S 057 Interactions between <i>A. thaliana</i> and its bacterial pathogens Christian Lexer , Kew, AT/UK (25 + 5 min) S 058 (Post-) genomic studies of species barriers: a plant perspective
12:00 – 12:30	Closing	Karin Metzloff and Denes Dudits <i>Executive Director of the European Plant Science Organisation</i> <i>Director General of the Biological Research Center, Hungarian Academy of Sciences</i>
12:30	Departure	

We would like to thank our committee and secretariat members for organizing this conference:

Members of the organising committee: Michael Bevan, Paolo Costantino, Denes Dudits (coordinator), Wilhelm Gruissem, Hélène Lucas, Karin Metzloff, Kirsi-Marja Oksman-Caldentey, Mark Stitt, Erkki Truve, Pierre de Wit, Marc Zabeau.

Conference secretariat: Katrien Molders and Judit Szabad