

PROGRAM OF THE CONFERENCE

Monday, 15th of June 2015

12:00 – 20:00	Registration (foyer of the 2 nd floor)
13:00 – 15:30	Meeting of the Scientific Board of the Centre of the Region Haná for Biotechnological and Agricultural Research, Faculty of Science, Palacký University (large meeting room on the 6 th floor, 6.014)

Session 1: Opening session: Genetic modifications & genome structure Chairman – Ivo Frébort (auditorium, 2.001)

16:00 – 16:30	Welcome speech by organizers
16:30 – 17:30	Plant Biotechnology: New opportunities to engineer secondary metabolism for effects and signalling John Pickett (Rothamsted Research, UK)
17:30 – 18:30	Towards understanding the structure and function of forage crop genomes Bruno Studer (ETH Zürich, Switzerland)
18:30 – 22:00	Welcome party (foyer of 6 th floor + terrace)

Tuesday, 16th of June 2015

8:30 – 12:30 *Registration*

Session 2: Metabolic regulation and methods of analysis Chairman – Jaroslav Doležel (auditorium, 2.001)

09:00 – 09:30	Characterization of flooding tolerance mechanisms in soybean using proteomic techniques Setsuko Komatsu (National Institute of Crop Science, Japan)
09:30 – 09:50	Tissue- and cell-specific analysis of phytohormones Ondřej Novák (Institute of Experimental Botany, ASCR, Czech Republic)
09:50 – 10:10	Volatile compounds emitted by Gram-negative and Gram-positive bacteria and fungi promote growth and starch accumulation through cytokinin regulated processes Javier Pozueta Romero (Institute of Agrobiotechnology, Spain)
10:10 – 10:30	First insights into barley nuclear proteome Ivo Chamrád (Palacký University, Czech Republic)

Session 3: Plant- pathogen interactions & genetic modifications

Chairman – Petr Ta	rkowski (aud	litorium, 2.001)
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11:00 – 11:30	Rhodococcus fascians, a plant growth promoting bacterium gone astray Danny Vereecke (Ghent University, Belgium)
11:30 – 11:50	Do fungi produce phytohormones as an evolutionary relict or to conquer the plant tissue?
	Petr Galuszka (Palacký University, Czech Republic)
11:50 – 12:10	Visually labelled and selectable marker-free plants towards public acceptance of GMO's
	Helga Zelenyánszki (Eötvös Loránd University, Budapest, Hungary)
12:10 – 12:30	Identification of Botrytis fabae conidial surface proteins
	Dmitry Loginov (Palacký University, Czech Republic)
12:30 – 14:00	Lunch (foyer of 2 nd floor)
14:00 – 16:00	Poster session and coffee break (foyer of 2 nd + 3 rd floor)

Session 4: Stress response and cell signaling Chairman – Pavel Pospíšil (auditorium, 2.001)

16:00 – 16:30	Disclosing the roles of secondary metabolites in the antioxidant defense network of plants facing severe excess light stress
	Massimiliano Tattini (Institute for Plant Protection, Italy)
16:30 – 16:50	Exploring structures of protein complexes using single particle electron microscopy Roman Kouřil (Palacký University, Czech Republic)
16:50 – 17:10	Medicago mitogen-activated protein kinase kinase SIMKK overexpression in Arabidopsis: Salt stress-induced subcellular relocation and enhanced salt sensitivity Miroslav Ovečka (Palacký University, Czech Republic)
17:10 – 17:30	Several active and inactive signals among jasmonates in plant stress responses Claus Wasternack (Leibniz Institute of Plant Biochemistry, Germany)

Wednesday, 17th of June 2015

Session 5: Cereal biotechnology & genome structure Chairman – Ondřej Plíhal (auditorium, 2.001)

09:00 – 09:30	Novel dwarfing alleles In wheat: building on the green revolution Peter Hedden (Rothamsted Research, UK)
09:30 – 09:50	Genomics for improvement of cereal crops: New tools and new opportunities Jaroslav Doležel (Institute of Experimental Botany, ASCR, Czech Republic)
09:50 – 10:10	Genetic pool of the wild relatives of wheat: Is there a dark side? Szabolcs Makai (Centre of Agricultural Research, HAS, Hungary)
10:10 – 10:30	Characterization of new alleles influencing flowering time introgressed to bread wheat from <i>T. millitinae</i>
	Zuzana Ivaničová (Institute of Experimental Botany, ASCR, Czech Republic)
10:30 – 11:00	Coffee Break (foyer of 2 nd floor)

Session 6: Stress response and cell signaling

11:00 – 11:30	An exciting new biostimulant and insect repellent phenolic molecule from the brown seaweed <i>Ecklonia maxima</i> Johannes van Staden (University of KwaZulu-Natal, South Africa)
11:30 – 11:50	Proteomic and biochemical analyses show that Arabidopsis ANP2 and ANP3 are involved in plant tolerance to oxidative stress Tomáš Takáč (Palacký University, Czech Republic)
12:00 – 13:30	Lunch (foyer of 2 nd floor)
13:30 – 14:30	EFB, CRH, presentations (auditorium, 2.001)
14:30 – 16:30	Poster session and coffee break (foyer of 2 nd + 3 rd floor)
16:30	Departure to Fort Křelov
17:00 – 22:00	Visiting the fort (guided tour, entertaining program, informal meetings, social dinner); EFB meeting (launching Plant Biotechnology section)

Thursday, 18th of June 2015

Chairman – Jozef Šamaj (auditorium, 2.001)

Session 7: Metabolic regulation and methods of analysis Chairman – Karel Doležal (auditorium, 2.001)

09:00 – 09:30	Playing with cytokinins to improve the agronomical traits of barley (<i>Hordeum vulgare</i> L.) Veronique Bergougnoux-Fojtík (Palacký University, Czech Republic)	
09:30 – 09:50	Electrical and jasmonate signaling regulate digestive enzyme activity and photosynthesis in the carnivorous plants Andrej Pavlovič (Palacký University, Czech Republic)	
09:50 – 10:10	Use of image-based automated phenotyping in development of plant growth regulators and stress-response studies Lukáš Spíchal (Palacký University, Czech Republic)	
10:10 – 10:30	Metabolic pathways indispensable for de novo organogenesis in Arabidopsis Yoshihisa Ikeda (Palacký University, Czech Republic)	
10:30 -11:00	Coffee Break (foyer of 2 nd floor)	

Session 8: Stress response and cell signaling Chairman – Petr Ilík (auditorium, 2.001)

11:00 – 11:30	Function of lipid antioxidants during oxidative stress in plants Jerzy Kruk (Jagiellonian University, Poland)
11:30 – 11:50	Plant cytoskeleton as target for agrobiotechnological applications Georgios Komis (Palacký University, Czech Republic)
11:50 – 12:10	Singlet oxygen formation in plants under abiotic stress Pavel Pospíšil (Palacký University, Czech Republic)
12:10 – 12:40	Chlorophyll fluorescence excitation efficiency - Diagnostic value and consequences for photosynthesis Wolfgang Bilger (Christian-Albrechts-University, Germany)
12:40 – 14:00	Lunch (foyer of 2 nd floor)
14:00 – 16:00	Poster session and coffee break (foyer of 2 nd + 3 rd floor)

Session 9: Metabolic regulation and methods of analysis Chairman – Marek Šebela (auditorium, 2.001)

16:00 – 16:30	Analytical tools to monitor <i>Penicillium chrysogenum</i> large-scale fermentation - from intact cell mass spectrometry to proteome profiling Martina Marchetti-Deschmann (Vienna University of Technology, Austria)
16:30 – 16:50	Site-directed mutagenesis of two nucleoside N-ribohydrolases from maize David Kopečný (Palacký University, Czech Republic)
16:50 – 17:10	The use of tomato aminoaldehyde dehydrogenase 1 for the detection of aldehydes in fruit distillates Marek Šebela (Palacký University, Czech Republic)
17:10 – 17:30	Closing remarks