



Joint 7th Conference of the Polish Society for Experimental Plant Biology and the Intercollegiate Faculty of Biotechnology UG & MUG

8 – 11 September 2015, Gdańsk

Venue: Faculty of Social Sciences of the University of Gdańsk, Bażyńskiego 4, Gdańsk Oliwa

CONFERENCE PROGRAMME

Tuesday 8 September				
16:00 - 20:00	Registration and Poster Set Up			
20:00	Welcome Reception			
Wednesday 9 September				
08:00 - 09:00	Registration			
09:00 - 10:00	Opening Ceremony			
09:00 - 09:10	Welcome Speeches	Ewa Łojkowska President of Polish Society of Experimental Plant Biology, Chair of Organizing Committee and Members of Honorary Committee		
09:10 - 10:00	Keynote Lecture: Exploring Arabidopsis natural variation	Maarten Koornneef Max Planck Institute for Plant Breeding Research, Cologne, DE		
10:00 - 13:30	SESSION 1: Natural Variation and Phenomics	Chairs: Anna Ihnatowicz Maarten Koornneef		
10:00 - 10:30	<u>Invited Speaker</u> : The versatile use of genome elimination in developing novel genetic mapping resources in <i>Arabidopsis</i>	Joost JB Keurentjes Wageningen University, Wageningen, NL		
10:30 - 11:00	<u>Invited Speaker</u> : The genotype-phenotype map in <i>Arabidopsis thaliana</i>	Arthur Korte Gregor Mendel Institute, Vienna, AT		
11:00 - 11:30	Coffee Break			
11:30 - 12:00	<u>Invited Speaker</u> : High-throughput phenotyping to decode the complexity of growth response to the environment in <i>Arabidopsis</i>	Olivier Loudet Institut Jean-Pierre Bourgin, Versailles, FR		
12:00 - 12:30	<u>Invited Speaker</u> : Species migration in plants is associated to quantitative genetic changes in the circadian clock	Seth Davis University of York, York, UK		
12:30 - 12:45	<u>Selected talk</u> : Brassinosteroid metabolism and its disturbances as a source of semi-dwarf barley mutants	Damian Gruszka University of Silesia, Katowice, PL		
12:45 - 13:00	<u>Selected talk</u> : The distribution of coumarins and furanocoumarins in <i>Citrus</i> species closely matches <i>Citrus</i> phylogeny and reflects the organization of biosynthetic pathways	Alain Hehn Université de Lorraine – INRA, Nancy, FR		
13:00 - 13:15	<u>Selected talk</u> : Towards the genetic architecture of scopolin and scopoletin biosynthesis in <i>Arabidopsis thaliana</i>	Joanna Siwińska Intercollegiate Faculty of Biotechnology UG&MUG, Gdańsk, PL		











13:15 - 13:30	<u>Selected talk</u> : ROS production and scavenging in stress resistant <i>Eutrema salsugineum</i> plants	Maria Pilarska Franciszek Górski Institute of Plant Physiology Polish Academy of Sciences, Krakow, PL
13:30 - 14:30	Lunch Provided	
14:30 - 17:15	SESSION 2: System and Synthetic Biology	Chairs: Ewa Łojkowska Alessio Mengoni
14:30 - 15:00	<u>Invited Speaker</u> : Gene stacking and metabolic engineering in plants	Dominique Loque Cell Wall Engineering, Berkeley, CA, US
15:00 - 15:30	<u>Invited Speaker</u> : Genome evolution and sociomicrobiology in the alfalfa nitrogen fixing microsymbiont <i>Sinorhizobium meliloti</i>	Alessio Mengoni University of Florence, Florence, IT
15:30 - 16:00	<u>Invited Speaker</u> : Designing new flax plants by metabolic engineering	Anna Kulma University of Wroclaw, PL
16:00 - 16:30	Coffee Break	
16:30 - 16:45	<u>Selected talk</u> : Global control of eukaryotic gene expression depends on chromatin remodeling by SWI/SNF complexes	Tomasz Sarnowski Institute of Biochemistry and Biophysics Polish Academy of Sciences, Warsaw, PL
16:45 - 17:00	<u>Selected talk</u> : EcoFactory, a multipromoter explorer expression system for <i>Escherichia coli</i>	Marcin Osuch Adam Mickiewicz University, Poznań, PL
17:00 - 17:15	<u>Selected talk</u> : Chloramphenicol acetyltransferase - new selectable marker for stable nuclear transformation of the red alga <i>Cyanidioschyzon merolae</i>	Anna Drożak University of Warsaw, Warsaw, PL
17:15 - 18:30	POSTER SESSION I (odd numbers)	
18:30 - 20:00	General Assembly of PSEPB (for PSEPB Members only)	
	Thursday 10 September	
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09:00 - 13:00	SESSION 3: Plant Development and Gene Regulation	Chairs: Małgorzata Gaj Artur Jarmołowski
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	SESSION 3: Plant Development and Gene Regulation	Artur Jarmołowski Michael Nodine
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09:00 - 09:30 09:30 - 10:00	SESSION 3: Plant Development and Gene Regulation Invited Speaker: MicroRNA functions in <i>Arabidopsis</i> embryos Invited Speaker: BABY BOOM induces somatic embryogenesis in a doseand context-dependent manner via the LAFL pathway	Artur Jarmołowski Michael Nodine Gregor Mendel Institute, Vienna, AT Kim Boutilier Wageningen University and Research Centre Bioscience, Wageningen, NL Gordon Simpson Dundee University at The James Hutton
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12:45 - 13:00	<u>Selected talk</u> : SWP73A and SWP73B subunits of Arabidopsis SWI/SNF chromatin remodeling complexes play distinct roles during development	Sebastian Sacharowski Institute of Biochemistry and Biophysics Polish Academy of Sciences, Warsaw, PL
13:00 - 14:00	Lunch Provided	
14:00 - 17:30	SESSION 4: Plant-Microbe Interactions	Chairs: Andrzej Kononowicz Violetta Macioszek Jadwiga Śliwka
14:00 - 14:30	<u>Invited Speaker</u> : Signalling in plant immunity	Dierk Scheel Leibniz Institute of Plant Biochemistry, Halle, DE
14:30 - 15:00	<u>Invited Speaker</u> : Pathogenomics of <i>Verticillium</i> wilt diseases	Bart Thomma Wageningen University, Wageningen, NL
15:00 - 15:30	<u>Invited Speaker</u> : Foundations of quantitative disease resistance in <i>Cereals</i> and <i>Brassicas</i>	Christopher Ridout John Innes Centre, Norwich, UK
15:30 - 16:00	<u>Invited Speaker</u> : A hidden pathogen with uncommon properties – reviewing the state-of-the-art of <i>Verticillium longisporum</i> on oilseed rape	Andreas von Tiedemann Georg-August-University Göttingen, Göttingen, DE
16:00 - 16:30	Coffee Break	
16:30 - 16:45	<u>Selected talk</u> : Elucidation of mechanisms underlying virulence function of <i>Pseudomonas syringae</i> HopQ1 effector in plant cells	Rafał Hoser Institute of Biochemistry and Biophysics Polish Academy of Sciences, Warsaw, PL
16:45 - 17:00	<u>Selected talk</u> : Screening of potato plants (<i>Solanum tuberosum L.</i>) and water samples for the presence of pectinolytic bacteria originating from potato fields in Poland	Agata Motyka Intercollegiate Faculty of Biotechnology UG&MUG, Gdańsk, PL
17:00 - 17:15	<u>Selected talk</u> : Effect of ectomycorrhizal symbiosis with two different strains of <i>Paxillus involutus</i> on the features of <i>Populus x canescens</i> seedlings	Agnieszka Szuba Institute of Dendrology Polish Academy of Sciences, Kórnik, PL
17:15 - 17:30	<u>Selected talk</u> : Are the <i>Phytophthora infestans</i> population, R gene or effector expression changes responsible for the potato resistance decline within single vegetation season?	Marta Brylińska Plant Breeding and Acclimatization Institute – National Research Institute, Młochów, PL
17:30 - 18:30	POSTER SESSION II (even numbers)	
20:00 - 00:00	Networking @ Baltic Party (fee required)	
	Friday 11 September	
09:00 - 13:00	SESSION 5: Plant Responses to Abiotic Stress	Chairs: Iwona Ciereszko Stanisław Karpiński
09:00 - 09:30	<u>Invited Speaker</u> : Multifunctional roles of sugars during plant stress responses	Wim Van den Ende Institute of Botany and Microbiology, KU Leuven, BE
09:30 - 10:00	<u>Invited Speaker</u> : Role of the antenna complex LHCII in remodelling of the membranes of the photosynthetic apparatus of plants	Wiesław Gruszecki Maria Curie-Sklodowska University, Lublin, PL
10:00 - 10:30	<u>Invited Speaker</u> : Reactive oxygen species as a central hub in sensing and response of seeds to environmental cues	Christophe Bailly Universite Pierre & Marrie Curie, FR
10:30 - 11:00	<u>Invited Speaker</u> : Ribosome assembly and protein translation in light-dependent germination of dormant <i>Arabidopsis</i> seeds	Krystyna Oracz Warsaw University of Life Sciences, PL
11:00 - 11:30	Coffee Break	
11:30 - 11:45	<u>Selected talk</u> : Methylome-transcriptome relationships during drought stress in model and crop monocots	Mirosław Kwaśniewski University of Silesia, Katowice, PL
11:45 - 12:00	Selected talk: New Arabidopsis thaliana microRNAs and their genes	Maria Barciszewska-Pacak









12:00 - 12:15	<u>Selected talk</u> : Hydrogen peroxide and nitric oxide production during the cell cycle of <i>Chlamydomonas reinhardtii</i>	Wojciech Pokora University of Gdańsk, Gdańsk, PL
12:15 - 12:30	$\underline{\text{Selected talk}}\text{:}$ Lichen response to CO2 abiotic stress - ionic liquid bioindicator of air pollution	Grażyna Białek-Bylka Poznań University of Technology, Poznań, PL
12:30 - 12:45	<u>Selected talk</u> : Early signaling events in soybean seedlings subjected to short term cadmium stress	Jagna Chmielowska-Bąk Adam Mickiewicz University, Poznań, PL
12:45 - 13:00	<u>Selected talk</u> : The relevance of multiple steps of plant mitochondrial biogenesis in temperature stress and recovery	Michał Rurek Adam Mickiewicz University, Poznań, PL
13:00 - 14:00	Lunch Provided	
14:00 - 16:00	SESSION 6: Social and Commercial Aspects of Contemporary Biotechnology	Chairs: Krzysztof Bielawski Robert Czajkowski
14:00 - 14:30	<u>Invited Speaker</u> : Don't be afraid of carnivorous plants, since they might help to cure you	Frederic Bourgaud Université de Lorraine UMR 1121, FR
14:30 - 15:00	<u>Invited Speaker</u> : Treatment of acute and chronic inflammation by novel natural plant extracts with high biological activity	Krzysztof Lemke Biovico, Gdynia, PL
15:00 - 15:15	<u>Invited Speaker</u> : Plant naphthoquinone derivatives as MAPK/ERK kinase inhibitors – potential application in breast cancer treatment	Anna Kawiak Intercollegiate Faculty of Biotechnology UG&MUG, Gdansk, PL
15:15 - 15:30	<u>Invited Speaker</u> : <i>Iv vitro</i> cultured carnivorous plants as a source of secondary metabolites with high antibacterial potential in combination with silver nanoparticles	Marta Krychowiak Intercollegiate Faculty of Biotechnology UG&MUG, Gdansk, PL
15:30 - 15:45	<u>Invited Speaker</u> : The use of microalgae for the production of active compounds	Marcelina Jaros Svanvid, Gdańsk, PL
15:45 - 16:00	Closing ceremony	



