

Eurobiotech 2013 “White and Green Biotechnology”

8.10.2013 (Tuesday)

10.00 - 18.00	Registration of participants		
10.00 - 18.00	<p>Business session - Life Science Open Space Chair: Kazimierz Murzyn, LifeScience Cluster Krakow Arka Club - separate registration</p>	14.00 - 17.00	<p>Session title: Induced pluripotent stem cells: a future of biomedicine Chair: Alicja Józkwicz, UJ, (Green Biotechnology Hall)</p>
		14.00 - 14.30	<p>Maria Anna Ciemerych-Litwinienko, <i>University of Warsaw, Poland</i></p> <p>There and back again: short history of reprogramming. From a somatic cell to an inducible pluripotent cell</p>
		14.30 - 15.00	<p>Regina Grillari, <i>University of Natural Resources and Life Sciences, Vienna, Austria</i></p> <p>The importance of peeing earnest: urine derived cells in biology and biomedicine</p>
		15.00 - 15.25	<p>Leonora Bużańska, <i>Mossakowski Medical Research Centre, Polish Academy of Sciences, Poland</i></p> <p>Stem cells in drug development and toxicity testing: implementation of emerging technologies</p>
		15.25 - 15.55	Coffee break
		15.55 - 16.20	<p>Jacek Jaworski, <i>The International Institute of Molecular and Cell Biology</i></p> <p>Use of cell reprogramming technologies for neurobiological research</p>
		16.20 - 16.45	<p>Maciej Wiznerowicz, <i>Greater Poland Oncology Center, Poznan, Poland</i></p> <p>Epigenetic mechanisms of human induced pluripotent stem cells (iPS)</p>
		16.45 - 17.10	<p>Alicja Józkwicz, <i>UJ</i></p> <p>Hypoxia and oxidative stress in reprogramming and differentiation</p>
		17.10 - 17.25	<p>Anna Skibińska-Kijek, <i>Lab – JOT</i></p> <p>Cell Signaling Antibodies as a Tool for iPSCs Analysis</p>
18.00 - 19.00	<p>Opening Ceremony and Plenary lecture: Neal C. Stewart Jr, University of Tennessee, Knoxville, TN, USA (White Biotechnology Hall)</p>		

Synthetic Plant Biotechnology Tools for Precise Transgene Expression					
Chair : Kazimierz Strzałka					
19.00 - 20.30		Welcome cocktail			
9.10.2013 (Wednesday)					
8.00 – 18.00		Registration of participants			
9.00 - 10.00		Plenary lecture: Frank van Breusegem, VIB Gent, Belgium Oxidative Stress Signal Transduction in plants Chair: Stanisław Karpiński (White Biotechnology Hall)			
10.00 - 10.30		Coffee break			
White Biotechnology Coordinator: Henryk Kołoczek, PK			Green Biotechnology Coordinator: Kazimierz Strzałka, UJ		
Wednesday, 9th October, morning Session title: Nanotechnologies in industrial processes Chair: Zygmunt Kowalski, PK (White Biotechnology Hall)			Wednesday, 9th October, morning Session title: Plant Molecular Breeding Chair: Dariusz Grzebelus, UR (Green Biotechnology Hall)		
10.30 - 11.00	Leszek Tymczyna, Lublin University of Agriculture, Poland	The use of biofiltration and nanosilver in the rendering plants	10.30 - 11.00	Andreas Bachmair, Vienna University, Austria	Engineering of a retrotransposon for insertion mutagenesis in plants
11.00 - 11.30	Agata Markowska-Szczupak, West Pomeranian University of Technology, Poland	The use of titanium dioxide for purification, self-cleaning and disinfection in urban infrastructures	11.00 - 11.30	Petr Smykal, Palacky University Olomouc, Czech Republic	Pea resistance genes to Pea Seed-borne Mosaic Virus (PSbMV), from basic science to applications in breeding
11.30 - 12.00	Marcin Banach, Cracow University of Technology, Poland	Nanosilver – a new product for disinfection treatment	11.30 - 12.00	Marcin Rapacz, Agricultural University in Krakow, Poland	High through output phenotyping and genotyping – steps for drought tolerance improvement in barley

12.00 - 12.30	Zygmunt Kowalski, <i>Cracow University of Technology, Poland</i>	Pig manure treatment by filtration	12.00 - 12.15	Joanna Machczyńska, Piotr Bednarek, Prof. Janusz Zimny	In vitro induced variation in Triticale cv. Bogo
			12.15 – 12.30	Alicja Macko-Podgórn, Krzysztof Smółka, Dariusz Grzebelus	Conversion of a DArT marker differentiating wild and cultivated carrots to a codominant CAPS marker
12.30 - 13.00	Katarzyna Gorazda, <i>Cracow University of Technology, Poland</i>	Phosphorus cycle – possibilities for its rebuilding	12.30 – 13.00	M.N.V. Prasad, <i>Hyderabad University, India</i>	Phytoremediation crops for sustainable biofuels – scope and limitations Session: Environmental Biotechnology (the session to be continued at 16.00 this afternoon)
13.00 - 13.40	Lunch				
13.40 - 15.30	<p>9.10.2013 (Wednesday) Violet Biotechnology Session title: Legislation for biotechnologists Chair: Tomasz Twardowski (Green Biotechnology Hall)</p>				
13.40 - 13.50	Opening: Tomasz Twardowski, Biotechnology Committee, PAS, Poland – Biotechnology regulation and society, Anno Domini 2013				
13.50 - 14.10	Andrew Tommey, <i>DuPont Pioneer, Brussels</i> – Plenish, a GM-soya bean with altered fatty acid profile and direct consumer benefits				
14.10 - 14.30	President Alicja Adamczak, <i>Polish Patent Office</i> – Patenting In Biotechnology and Unitary Patent, Poland and European Patent Organisation Ewa Waszkowska, European patents for human embryonic stem cells				
14.30 - 14.50	Agnieszka Dalbiak, <i>Ministry of Environment</i> – Current Legislation of Biotechnology In Poland and EU				
14.50 - 15.10	Sławomir Sowa, <i>IHAR, Poland</i> – Genetically Modified Plants In Polish Agriculture				
15.10 - 15.30	Rainer Friedrich, <i>df-mp, Germany</i> – Recent developments in gene and stem cell patenting in Europe				
15.30 - 16.00	Coffee break				
White Biotechnology			Green Biotechnology		
<p>Wednesday, 9th October, Session title: Development of renewable energy in biotechnology Chair: Henryk Koloczek, PK (White Biotechnology Hall)</p>			<p>Wednesday, 9th October, Session title: Environmental Biotechnology Chair: Katarzyna Turnau, UJ</p>		

			(Green Biotechnology Hall)		
16.00 - 16.45	Irini Angelidaki, <i>Technical University of Denmark</i>	Algae biorefinery	16.00 - 16.30	Alan J.M. Baker <i>University of Queensland, Australia</i>	Metallophytes: a biodiversity and phytotechnological resource for soil clean-up, phytomining and mine site restoration
16.45 - 17.30	Andrei A. Sibirny, <i>UAN, Ukraine</i>	Metabolic Engineering of Non-Conventional Yeasts for Construction of the Advanced Producers of Lignocellulosic Ethanol	16.30 - 17.00	Jaco Vangronsveld, <i>Hasselt University, Belgium</i>	Bioaugmentation with engineering endophytic bacteria improves phytoremediation in the field
17.30 - 18.15	L. Chrzanowski, <i>Poznan University of Technology, Poland</i>	Rhamnolipids - production and application in bioremediation	17.00 - 17.30	Irene Lichtscheidl, <i>Vienna University, Austria</i>	Support of Plant Growth by Selected Soil Microbes and Manipulation of Soil Texture in Metal Contaminated Soil.
18.15 - 19.00	Roman Marecik, <i>Poznan University of Life Sciences, Poland</i>	Enhancement of biogas production from lignocelluloses materials by biological pretreatment with <i>Trichoderma sp.</i>	17.30 - 18.00	Prof. Edwin J.P. Cadenas <i>UNASAM, Huaraz, Peru</i>	Highland plants under extreme conditions and their phytoremediation potential
			18.00 - 18.20	Dr. Stefan Sassmann <i>Vienna University, Austria</i>	A study of heavy metal impact, uptake and structural changes in the moss <i>Physcomitrella patens</i>
			18.20 - 18.40	Dr. Wolfram Adlassning <i>Vienna University, Austria</i>	Metal tolerant mosses: perspectives for bioremediation
			18.40 - 19.00	P. Supel, P. Kaszycki, J. Brzeszcz, P. Kapusta, P. Wyszomirski	FISH detection of autochthonous bacteria of ceramic clayey raw materials
10.10.2013 (Thursday)					
8.00 – 18.00	Registration of participants				
9.00 - 10.00	Plenary lecture: Prof. L.A.M. (Luuk) van der Wielen , Delft University of Technology, The Netherlands Industrial Biotechnology (tentative title) (White Biotechnology Lecture Hall)				

10.00 - 10.30					
Coffee break					
Thursday, 10th October, morning Session title: Bioeconomy Chair: Stanisław Bielecki, PL (White Biotechnology Lecture Hall)			Thursday, 10th October, morning Session title: Plant Genetic Engineering Chair: Rafał Barański, UR Neal C. Stewart, UT, USA (Green Biotechnology Lecture Hall)		
10.30 - 11.00	<i>Patricia Osseweijer, Delft University of Technology</i>	Biobased production and answer to societal challenges? The importance of sustainability and communication.	10.30 - 11.00	<i>Paul Christou, University of Lleida, Spain</i>	The ins and outs of multigene engineering of complex biosynthetic pathways in plants
11.00 - 11.30	<i>Andrzej Okruszek, Lodz University of Technology, Poland</i>	Biomass as a source of raw materials for the preparation of environmentally friendly fibrous polymers	11.00 - 11.30	<i>Jan Szopa-Skórkowski, University of Wroclaw, Poland</i>	Biotechnology of Flax
11.30 - 12.00	<i>Paweł Kafarski, Wroclaw University of Technology, Poland</i>	Biotransformations as a tool for Biorafineries	11.30 - 12.00	<i>Phil Mullineaux, University of Essex, UK</i>	Systems biology-led approaches to engineering environmental stress tolerance in plants
12.00 - 12.30	<i>Tomasz Kapela, Biotechnika</i>	Bionidustry in Poland - current status, major obstacles, driving force and open opportunities	12.00 - 12.30	<i>Wacław Orczyk, Acclimatization and Plant Breeding Institute, National Research Institute, Poland</i>	<i>RNAi in cereal functional genomics</i>
12.30 - 13.00	<i>Lech Michalczuk, Research Institute of Horticulture, Poland</i>	Agri-food industry - a key element of Polish bioeconomy	12.30 - 12.45	<i>Monika Bojko, Monika Olchawa-Pajor, Urszula Tuleja, Paulina Kuczyńska, Wojciech Strzałka, Dariusz Latowski, Kazimierz Strzałka, Jagiellonian University, Krakow, Poland</i>	Expression of three diadinoxanthin de-epoxidase genes of <i>Pheodacylum tricornutum</i> in <i>Escherichia coli</i> Origami b strain

			12.45 - 13.00	Magdalena Pawelkowicz, Cezary Kowalczyk, Paweł Osipowski, Michał Wojcieszek, Grzegorz Kojder, Katarzyna Kosik, Zbigniew Przybecki <i>Warsaw University of Life Sciences – SGGW, Poland</i>	The role of ubiquitins in cucumber (<i>C. sativus</i> L.) flower morphogenesis
13.00 - 14.00	Lunch				
14.00 - 15.30	Poster session				
<i>Thursday, 10th October, afternoon</i> Session title: Bioplastics and biobased polymers Chair: Andrzej Kononowicz, UŁ Krzysztof Pielichowski, PK (White Biotechnology Lecture Hall)			<i>Thursday, 10th October, afternoon</i> Session title: Animal Biotechnology in Biomedicine Chair: Zdzisław Smorąg, NRI AP, Ryszard Słomski, University of Life Sciences (Green Biotechnology Lecture Hall)		
15.30 - 16.00	Magda Wróbel-Kwiatkowska, Jan Szopa-Skórkowski	A novel bioplastic fibres for tissue engineering and biodegradable packaging materials	15.30 - 16.00	Csaba Pribenszky, <i>Szent Istvan University Budapest, Hungary</i>	Stress preconditioning of cells for improved output in cloning, IVF and stem cell research
16.00 - 16.30	Karolina Ludwicka, Stanisław Bielecki	Bacterial nanocellulose scaffolds for regenerative medicine	15.45 - 16.30	Marlena Szalata, <i>University of Life Sciences, Poznan, Poland</i>	Large animal models in biomedical research
16.30 - 17.00	Coffee break				
17.00 - 17.30	Barbara Klajnert-Maculewicz	Biomedical applications of dendrimers	17.00 - 17.45	Urszula Mazurek, <i>Medical University of Silesia, Katowice, Poland</i>	The risk of viral infections in xenotransplantation and prevention strategies
17.30 - 18.00	Katarzyna Kubiak, Stanisław Bielecki	Bionanocellulose production control from molecular point of view	17.45 - 18.30	Marcin Samiec, <i>National Research Institute of Animal Production Kraków/Balice, Poland</i>	Novel strategies in the somatic cell cloning of mammals

18.00-18.30	Agnieszka Leszczyńska, Krzysztof Pielichowski	Functionalised microfibrillar cellulose for bio-based polyamide composites	18.30 - 19.00	Małgorzata Kimsa	Restriction factor gene expression in normal human dermal fibroblasts after porcine endogenous retrovirus infection
11.10.2013 (Friday)					
9.00 - 10.00	Plenary lecture: Stanisław Karpiński, SGGW, Poland Teaching from the Plant Kingdom; Energy, Economics and the Environment Chair :Tomasz Twardowski				
10.00 - 10.30	<i>Coffee break</i>				
<i>Friday, 11th October, morning</i> Session title: Pharmaceutical biotechnology Chair: Alicja Józkowicz, Katarzyna Kieć-Kononowicz, CM UJ (White Biotechnology Lecture Hall)			<i>Friday, 11th October, morning</i> Session title: Animal Biotechnology in Agriculture Chair: Krystyna Koziec, UR Arieh Gertler (Green Biotechnology Lecture Hall)		
10.30 - 11.00	Oliver Kayser- Technical University Dortmund, Technical Biochemistry, Germany	Green Pharma - Synergy between biotechnology and pharmaceutical engineering	10.30 - 11.15	Arieh Gertler, <i>The Hebrew University of Jerusalem, Israel</i>	Leptin and leptin antagonists in research and biotechnology
11.00 - 11.30	Anke Schiedel, Pharmazeutisches Institut, Pharmazeutische Chemie I, Universität Bonn, Germany	How to pick the right pocket - the where and how of ligand binding	11.15 - 12.00	Stefan Kwiatkowski, <i>Alltech Biotechnology Center, Alltech Inc. USA</i>	Development of non-antibiotic treatment to prevent animal digestive tract from bacterial infections

11.30 - 12.00	Joanna Bereta, <i>Structural Biology Department, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Poland</i>	Monoclonal antibodies targeting angiogenesis and lymphangiogenesis in cancer therapies.	12.00 - 12.30	Eng. Zofia Madeja, <i>University of Life Sciences, Poznań, Poland</i>	Embryonic Cells Stem (ECS) technology in farm animals- current state of knowledge and prospects for the future
12.00 - 12.30	Janina Kamińska, <i>Faculty of Biotechnology and Food Sciences, Technical University of Łódź, Poland</i>	<i>Biocatalytic access to chiral intermediates for β-adrenergic receptors antagonists</i>	12.30 - 13.00	Ewa Ocloń, <i>University of Agriculture, Kraków, Poland</i>	Animals as a tool for metabolic processes modelling
12.30 - 13:00	Jerzy Dobrucki, <i>Division of Cell Biophysics, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Poland</i>	<i>New fluorescence methods of visualisation of extracellular matrix in metabolically active tissues</i>			
13.00 - 14.00	Closing ceremony Chairs: Kazimeirz Strzałka, Tomasz Twardowski				
14.00 -14.30	Lunch				