



Thursday, (June 1st, 2017)

Opening of the Conference 9.00

Department of Biotechnology

Kozłowska Weronika - Application of *in vivo* expression technology (IVET) in the interaction study of *Pseudomonas donghuensis* P482 with tomato plant

Lisicka Wioletta - Oxygen-responsive genetic loci in plant pathogenic *Dickeya solani* IPO2222

Perkowska Izabela - Functional analysis of scopoletin UDP-glucosyltransferase in plant responses to environmental stresses

Pierański Michał - Viability assessment methods after photoinactivation of *Staphylococcus aureus*. Plate counting vs. Flow cytometry

Santus Paulina - The model of intragenic homologous recombination in mouse embryonic stem cells (mESCs)

Coffee Break 10.15 – 10.30

Department of Biotechnology

Suliga Paula - Isolation, characteristic and identification of microorganisms included in the consortium capable of xanthohumol biotransformation

Tomaszewicz Wojciech - Use of plants from *Drosera* genus for synthesis of silver nanoparticles with antimicrobial properties

Tyczko Katarzyna - Effects of different acyltransferase acyl-CoA: lysophospholipid on the physiology of yeast in optimal and stress conditions

Wasylew Tomasz - Photodynamic inactivation of *Streptococcus agalactiae*: evaluation of the bactericidal effectiveness

Żukowska Dominika - Genotypic and phenotypic characterisation of *Pectobacterium atrosepticum* environmental isolates originating from potato plant tissue

Coffee Break 11.30 – 11.45

Department of Immunology (MUG)

Łuczak Justyna - Effectiveness of alternative *in vitro* activation of macrophages in children with diabetes type 1

Department of Forensic Medicine (MUG)

Potoczny Karolina - Determination of putrescine, spermine and spermidine concentrations in post-mortem biological material as a factor of depressive and suicidal disorders

Department of Clinical Immunology & Transplantology (MUG)

Szamocka Dominika - Flow cytometry analyses of apoptosis and surface markers of adipose-derived stem cells

Department of Biotechnology

Dashkievich Yanina - Analysis of antimicrobial potential of photosensitizers modified with peptides against *Pseudomonas aeruginosa*

Gutowski Paweł - The role of the *aiiO* gene in ability of *Ochrobactrum* sp. strain A44 to colonize potato roots

Coffee Break 12.45 – 13.15

Department of Medical Biotechnology

Borowska Anna - Expression of Gain-of-function mutants of complement factor B and their application in assay measuring convertase activity

Brodzik Karolina - Metabolism of extracellular adenine nucleotides in regulation of 4T1 carcinoma cell line invasive phenotype

Czetyrbok Katarzyna - Significance analysis of chosen miRNA in non-small cell lung cancer

Elzanowska Julia - Clinical significance of estrogen receptor- α 36 (ER- α 36) expression in human breast cancer

Maćkowska Joanna - Comparison of molecular and clinical characteristics of grade 3 to type I and II in endometrial cancer patients

Coffee Break 14.15 – 14.30

Department of Medical Biotechnology

Górska Monika - Analyses of bladder cancer cell lines response to FGFR inhibitor

Pałka Katarzyna - Fate of the FliD fragment from *Clostridium difficile* after adsorption on the surface of *Bacillus subtilis* spores

Kokot Agnieszka - Cloning and overproduction of P10 protein from *Bacillus subtilis*

Stasińska Karolina - Analysis of carbon and energy metabolism disorders of Δ prpE strain *Bacillus subtilis*

Biernat Aleksandra - Characterization of CotI protein – bacterial spore kinase of *Bacillus subtilis*



Friday (June 2nd, 2017)

Beginning of the second day of the Conference **9.00**

Laboratory of Virus Molecular Biology

Boch Kminikowska Sara - Application of a novel fluorescent protein iLOV for monitoring of herpesvirus protein transport

Fiutak Marta - Hepatitis C virus (HCV) lymphotropism: analysis of interaction between HCV envelope proteins E1E2 and CD5 receptor

Laboratory of Recombinant Vaccines

Duraczyńska Anna - Analysis of ability of recombinant *Bacillus subtilis* spores to induce immune response against influenza virus

Gronau Roksana - Production of chimeric VP1 protein fused with universal influenza antigen M2 in bacteria expression system

Kosiński Maciej - Production of Newcastle disease virus proteins for DIVA test development

Coffee Break 10.00 – 10.15

Polpharma Biologics

Kościński Jerzy - Development of high throughput analytical methods for characterization of monoclonal antibodies charge variants

Laboratory of Biomolecular Systems Simulations

Krause Magdalena - Theoretical investigation on the forced dissociation of NDM-1 complex with L-captopril after the separation of the ligand using the „Steered Molecular Dynamics” method

Laboratory of Biopolymers Structure

Kuklewicz Jeremi - Assessing the steroid hormones composition in blood serum using mass spectrometry technique MALDI-TOF

Department of Molecular and Cellular Biology

Komorowska Magdalena - Modulation of daunorubicin activity by fullerene C60

Spaleniak Weronika - Direct interactions between fullerene C60 and sodium azide

Coffee Break 11.15 – 11.45

Department of Molecular and Cellular Biology

Marczak Mikołaj - OrtFinder - developing a new method of orthologous genes prediction. Case study of chaperone related proteins in *Opisthokonta*

Sitarz Tomasz - Purification and characteristics of proteins involved in Iron-Sulfur cluster biogenesis

Suwała Grzegorz - Molecular aspects of pigment biosynthesis in *Bacillus pumilus* SF214

Szablewski Tomasz - Development of purification method of human CLPB protein in heterologous *Pichia pastoris* expression system

Kupc Małgorzata - The role of HdaA *Caulobacter crescentus* protein in the regulation of RK2 plasmid DNA replication initiation - analysis of HdaA interactions with replication proteins

Wierzbowski Mariusz - Homology modeling and Molecular Dynamic Simulations of the initiator protein RepA in complex with double strand (ds) DNA