

Thursday, (May 28th, 2015)

13¹⁵ – Opening of 7th Biotechnology Students' Conference

Laboratory of Biomolecular Systems Stimulations

Inga Jamrózek – Homology modelling of Hepatitis B Virus polymerase and its complexes with antiviral drug Tenofovir

Alicja Krause – Using the „ensemble docking” method in order to improve the precision of prediction of protein/ligands complexes

Piotr Morawski – Use of structural homology for prediction of the HBV viral polymerase model and its complexes with antiviral drug

Laboratory of Biopolymers Structure

Marcel Thiel – Structure and catalytic properties of peptides based on sequences of P-loop from ATP binding domains

Dima Antoun – Possible folding nucleation sites in engrailed homeodomain protein (EnHD)

Department of Biotechnology

Milena Lewandowska – Substrate specificity of acyl – CoA: lysophospholipid acyltransferases (LPLAT) in *Brassica napus* and *Crambe abyssinica* seeds.

Coffee Break 14³⁰-14⁴⁵

Laboratory of Recombinant Vaccines

Nina Ciosek – The use of *Bacillus subtilis* spores as a vaccine carriers of M1 antigen from influenza virus

Anna Jurek – Multisubtype chimeric influenza VLPs as a potential vaccine against influenza virus with broader range protection

Paulina Gach – Baculoviruses of *Lymantria dispar* (brudnica nieparka) – biological activity and development of fast method for strain differentiation

Laboratory of Virus Molecular Biology:

Katarzyna Zdziarska – The study of interactions between glycoprotein B and US3 kinase of bovine herpesvirus 1 in mammalian cell lines

Anna Cieřlik – Cross-reactivity analysis of sera from mice immunised with hepatitis C virus (HCV) envelope glycoproteins

Dagmara Dąbrowska – Analysis of BHV-1 Us3 kinase in peripheral blood mononuclear cells

Adrianna Łach – Construction and characterization of bovine herpesvirus 1 (BHV-1) mutants containing US3-mCherry fusion protein

Mateusz Sturgulewski – Characterization of hepatitis C virus glycoproteins produced in human lymphoid cell lines

Department of Molecular and Cellular Biology

Anna Felberg – The influence of methylxanthines on the biological activity of tetracycline

Friday, (May 29th, 2015)

10¹⁵ – Opening of the second day of Biotechnology
Students' Conference

Department of Medical Biotechnology

Dominika Piasecka – Progesterone receptor (PR)/FGFR interdependence in breast cancer cell

Karolina Jendryczko – Assessment of mice immune response against the recombinant spores of *Bacillus subtilis* presenting CagA protein from *Helicobacter pylori* after oral administration

Aurelia Piekarska – Role of *Bacillus subtilis* spores presenting *Clostridium difficile* antigen FltD in the initiation of immune response

Paweł Koprowski – Screening for temperature-sensitive mutant of *prpE* gene - PCR based mutagenesis

Łukasz Żelazek – The influence of extracellular adenosine metabolism on invasive phenotype of 4T1 breast carcinoma cell line in vitro

Miłosz Musialik – Naturally occurring benzyl isothiocyanate effect on prostate cancer PC3 cells

Mikołaj Kocikowski – Plastic additives: diethylene glycol dibenzoate and bisphenol A as endocrine disruptors

Dagmara Leszczyńska – Recombinant antibodies for ChIP

Coffee Break 11⁵⁵-12¹⁵

Department of Biotechnology

Karolina Ferenc – Inhibition of ERK protein by a naphthoquinone derivative in breast cancer cell lines

Katarzyna Forys – Impact of endogenous porphyrins and RecA system on bactericidal activity of visible light (405 nm) treatment against *Staphylococcus aureus*

Julia Kupińska – Combination of photodynamic inactivation and antimicrobial peptides as a strategy to combat multidrug-resistant *Staphylococcus aureus*

Tomasz Maciąg – Genetic background of antimicrobial properties of *Pseudomonas* P482

Marta Alabrudzińska – Antiangiogenic properties of secondary metabolites of *Withania*

Joanna Kielar – Genetic and phenotypic characteristics of *Dickeya solani* strains isolated from potato grown under different climatic conditions

Zofia Ozymko – Isolation and characterization of novel soilborne lytic bacteriophages infecting *Dickeya* spp

Piotr Bieniewski – Characteristics of environmental yeast isolates – identification, growth dynamics and possibilities of industrial application

Coffee Break 14 -14²⁰

Department of Molecular and Cellular Biology

Cezary Rojewski – BioSeq-crossplatform tool for data editing, visualizing and analyzing

Marta Szejna – Bioinformatic analysis of *Jac1* protein evolution in *Ascomycota*

Małgorzata Nowak – Characterization of protein machinery from thermophilic fungi *Chaetomium thermophilum* involved in biogenesis of iron-sulphur clusters

Anna Adler – Analysis of interactions between β subunit of DNA polymerase III holoenzyme with proteins containing QLsLF motif

Joanna Szafran – Functional analysis of the Lon protein with a deletion of 187 nucleotides in the N-terminal domain

Marta Hubisz – Functional analysis of fusion proteins Hsp104-DsRed – wild type and hyperactive variant K358E

Tomasz Milewski – The procedure and methodology for qualitative and quantitative evaluation of the composition of selected pharmaceutical