



INSTYTUT
BIOCHEMII
I BIOFIZYKI
POLSKA
AKADEMIA NAUK

Pawińskiego 5a, 02-106 Warszawa, Poland

BACTERIOPHAGES IN SCIENCE AND IN PRACTICE Mini-symposium

November 27-th, Institute of Biochemistry and Biophysics, PAS, Pawińskiego 5A, Lecture Hall E

Scientific program:

10.00 – Mini-symposium opening

10.10 – Phage specific diverse effects of bacterial viruses on the immune system

Andrzej Górski

Bacteriophage Laboratory and Phage Therapy Unit, Ludwik Hirszfild Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wrocław; Department of Clinical Immunology, Transplantation Institute, Medical University of Warsaw

10.45 – Testing safety of phage therapy in a mouse model

Alicja Węgrzyn

Institute of Biochemistry and Biophysics Polish Academy of Sciences, Gdańsk

11.20 – Bacteriophages and mammalian immune system: what shapes phage pharmacokinetics?

Krystyna Dąbrowska

Bacteriophage Laboratory and Phage Therapy Unit, Ludwik Hirszfild Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wrocław

11.55 - Diversity of potential therapeutic phages and their interaction with bacteria - implications for the use of phages to fight bacterial pathogens

Małgorzata Łobocka

Institute of Biochemistry and Biophysics Polish Academy of Sciences, Gdańsk

12.30 – coffee brake and lunch for lecturers

13.20 - Roles of genes and open reading frames from the *exo-xis* region of lambdoid bacteriophage genomes

Grzegorz Węgrzyn

Department of Molecular Biology, University of Gdańsk, Gdańsk

13.55 - Exploring *Alphaproteobacteria* bacteriophages by combined *in silico* and *in vivo* approaches

Przemysław Decewicz

Department of Bacterial Genetics, Institute of Microbiology, Faculty of Biology, University of Warsaw

14.30 - Isothiocyanates as a potential antimicrobial agent affecting phage mediated toxin synthesis.

Agnieszka Szalewska-Pałasz

Department of Bacterial Molecular Genetics, University of Gdańsk, Gdańsk

15.05 - Mining the genomes and physiological analyses of *Lactococcus c2virus* phages

Agnieszka Szczepankowska

Institute of Biochemistry and Biophysics PAS, Warsaw

15.40 - Minimalization of phage contamination in dairy industry

Piotr Kołakowski

Fresh Fermented Application - EMEA Nutrition & Biosciences DuPont de Nemours, Inc., Specialty Products Poland Sp. z o.o. Warsaw, Poland

16.25 - Phage discovery with student researchers - a report from the battlefield

Jakub Barylski

Department of Molecular Virology, Institute of Experimental Biology, Adam Mickiewicz University in Poznań, Poznań, Poland