
FINAL PROGRAM

Day I – Monday 10 September 2018

Arrival/Registration with light refreshments

9.00 – 9.15

Opening remarks:

Grzegorz Węgrzyn, Head of Scientific Committee

Jerzy Piotr Gwizdała, Rector of the University of Gdańsk

Andrey Sibirny, Director of FEMS

Joanna Karczewska-Golec, ASM Country Ambassador to Poland, *“American Society for Microbiology (ASM) – science, diplomacy, international relations, and beyond”*

9.15 – 10.00

Keynote Lecture

Antonio Villaverde *“Bacterial amyloids in materials sciences and biomedicine”*

Session I. Microbial Biotechnology

Professor Andrey Sibirny, Chair

10.00 – 10.30

Opening lecture:

Andrey Sibirny *“Metabolic engineering of the thermotolerant yeast *Ogataea polymorpha* for efficient conversion of lignocellulosics and by-product glycerol to ethanol”*

10.30 – 11.00

Opening lecture:

Patrick Fickers *“The yeast *Yarrowia lipolytica* as a cell factory”*

11.00 – 11.45

Oral Presentations:

Triinu Visnapuu *“Synthesis of raffinose-derived potential prebiotics by bacterial levansucrase and their effects on composition and metabolism of fecal microbiota of normal- and overweight children”*

Kärt Kanger *“Microbial community structure and resistome during anaerobic co-digestion of food waste and commercial organic waste”*

Magdalena Czemińska *“Capsular exopolymer obtained from *Rhodococcus opacus* FCL1069 cells”*

11.45 – 12.00

Coffee break

Session II. Molecular Microbiology

Professor Volkmar Passoth, Chair

12.00 – 12.30

Opening lecture:

Volkmar Passoth *“Lipids from non-conventional feedstocks by oleaginous yeasts for sustainable biodiesel and fish feed”*

12.30 – 14.00

Oral Presentations:

Richard Yanagihara *“Sequence and phylogenetic analyses of Dobrava-Belgrade virus in *Apodemus agrarius* from southwestern Poland”*

Alessandro Negri “*Transcriptome analysis of cells carrying Type II Csp231I restriction-modification system reveals the unexpected link between its C regulatory protein and λ prophage*”

Kadi Ainsaar “*Dual role of TonB3-PocAB system of Pseudomonas putida*”

Jaunius Urbonavičius “*Discovery of novel bacterial genes encoding the enzymes acting on modified uracil/uridine derivatives and their use for gene therapy in cancer treatment*”

Maciej Dylewski “*A strange case of GreA protein and GraL sRNA*”

Triinu Visnapuu “*A β -N-acetylhexosaminidase PhNab20A of the marine bacterium Paraglaciicola hydrolytica degrades chito-oligosaccharides and transfers GlcNAc to acceptors*”

14.00 – 15.45 Lunch, ASM Mentoring Luncheon

Session III. Virology and phages

Professor Rimantas Daugelavičius, Chair

15.45 – 16.15 Opening lecture:

Rimantas Daugelavičius “*Express-analysis of bacteria-phage interaction*”

16.15 – 18.00 Oral Presentations:

Katarzyna Kosznik-Kwaśnicka “*Bacteriophages in fight against Salmonella enterica – does it work? Evaluation of phage effectiveness in eradication of S. enterica in liquid cultures and biofilm*”

Aliona Špakova “*Three bacteriophage-originated rod-shaped structures in yeast: a new tools for nanotechnology?*”

Katarzyna Sitarz “*Raman spectroscopy as a method of HPV infection identification and cervical cancer diagnosis*”

Adelina Stoyanova “*Double antiviral combinations applied by consecutive alternating administration against Coxsackievirus B1 infection in mice*”

Richard Yanagihara “*Partial Characterization of a Highly Divergent Hantavirus Isolated from the European mole (Talpa europaea) in Poland*”

Paulina Niedźwiedzka-Rystwej “*Giant viruses and virophages – how tiny „giants” revolutionized the view of the world of microbes*”

18.00 Conference Party

Day 2 - Tuesday 11 September 2018

8.45 – 9.00 Coffee

9.00 – 9.45 Keynote Lecture:

Joanna Verran, “*Communicating your research to different audiences*”

Session IV. Environmental Microbiology I

Professor Jaak Truu, Chair

9.45 – 10.15 Opening lecture:

Jaak Truu “*Antibiotic resistome in environmental technology and management*”

10.15 – 11.15 Oral Presentations:

Mykola Shtenikov “*Diversity and antagonistic activity of endospore-forming bacteria of bottom sediments of the Black Sea*”

Lukasz Dziewit *“Diversity and role of plasmids in adaptation of psychrotolerant bacteria to hostile Arctic and Antarctic environment”*

Kristjan Oopkaup *“Bacterial community dynamics in the biofilm of an experimental domestic greywater treatment system”*

Ewa Kotlarska *“ESBL-producing *Aeromonas* spp. isolated from wastewater and marine environment”*

11.15 – 13.15 Coffee Break & Poster Session

13.15 – 13.45 Oral Presentations:

Justyna Ruchala *“Role of the peroxisomes and pentose-phosphate pathway in xylose alcoholic fermentation of conventional and non-conventional yeasts”*

Agata Zdzarta *“Assessment of cell surface properties and hydrocarbons degradation potential of three bacterial strains”*

13.45 – 14.45 Lunch

Session V. Environmental Microbiology II

Professor Alexander Rapoport, Chair

14.45 – 15.15 Opening lecture:

Alexander Rapoport *“Anhydrobiosis in yeasts and its possible applications”*

15.15 – 16.15 Oral Presentations:

Roman Marks *“Bubbles/Droplets-Mediated Assembly/ Processing of Cellular Matter”*

Rūta Stanislauskienė *“Investigation of pyridine degradation in actinobacteria”*

Dominika Chmolowska *“Soil microbial communities - super tights of ecosystems”*

Marika Truu *“Assessment of microbial community response to accidental release of oil into the Arctic marine ecosystem”*

16.15 – 16.45 Coffee Break

Session VI. Environmental Microbiology III

Professor Grzegorz Węgrzyn, Chair

16.45 – 18.15 Oral Presentations:

Anna Toruńska-Sitarz *“Genotypic and phenotypic diversity of cyanobacteria classified to *Lyngbya* genus”*

Arevik Vardanyan *“Bioremediation of pyrite by mixed cultures of iron and/or sulphur oxidizing bacteria isolated in Armenia”*

Amna Al Otaiba *“Bacterial and Chemical Qualities of Potable Water in the Al Ain City - United Arab Emirates”*

Modestas Ruzauskas *“Prevalence of multi-resistant bacteria in aquacultured and wild fish in Lithuania”*

Anna Khachatryan *“Influence of iron, pH and biofilm formation on metal resistance of iron oxidizing bacteria”*

Małgorzata Michalska *“Sea to air bacteria transfer over the Gulf of Gdańsk”*

Day 3 - Wednesday 12 September 2018

8.45 – 9.00

Coffee

Session VII. Medical Microbiology

Professor Grzegorz Węgrzyn, Chair

9.00 – 9.45

Oral Presentations:

Ivana Kerkez “*In vitro* infection model reveals restricted intracellular activity of antibiotics against uropathogenic *Escherichia coli*”

Richard Yanagihara “Widespread Distribution of *Soricid-* and *Talpid-*borne Hantaviruses in Poland”

Bożena Czubat “The contribution of MSMEG4305 protein in the synthesis of vitamin B12 in *Mycobacterium smegmatis*”

9.45 – 10.15

BIO-RAD - lecture

10.15 – 12.15

Coffee Break & Poster Session

12.15 – 13.30

Oral Presentations:

Riikka Ihalin “Link between bacterial DNA uptake and host cytokine sequestering”

Natalia Łubowska “Characterization of the newly isolated lytic bacteriophages and their efficacy against multi-drug resistant *Staphylococcus aureus* biofilm”

Terhi Maula “Interleukin-8 interaction with lipopolysaccharide from *Aggregatibacter actinomycetemcomitans*”

Laura Alksne “Rapid confirmation of methicillin resistant *Staphylococcus* spp. by MALDI-TOF MS in clinical isolates from Latvia”

Eglė Lastauskienė “Discovery of the new super-resistant phenotype of *Candida* yeasts grown under the modeled microgravity conditions”

13.30 – 14.30

Lunch

14.30

Closing remarks