

October 11, 2023

12:00 – 13:00	Registration	
13:00 – 13:15	Opening ceremony	
13:15 – 14:00	Opening lecture: Are you stressed? Towards a molecular understanding of the mysterious Di-adenosine tetraphosphate (Ap4A).	Prof. Dr. Gert Bange Philipps-University Marburg, Max-Planck-Institute for Terrestrial Microbiology, Germany
14:00 – 17:30	Session: MICROBIOTA AND MEDICAL MICROBIOLOGY Moderators: Aurelijus Burokas, Arnas Kunevičius	
14:00 – 14:30	Keynote speaker: Gut microbiota, depression, and memory: Don't forget the viruses!	Dr. Jordi Mayner-Perxachs Girona Biomedical Research Institute, Spain
14:30 – 14:50	Diabetes-related gut microbiota alterations associated with Alzheimer disease	Alessandro Atzeni Vilnius University, Lithuania
14:50 – 15:10	Vapor-phase of white thyme essential oil effect on <i>Candida albicans</i> and <i>Lactobacillus gasseri</i> colonization in a reconstituted human vaginal epithelium	Liliana Fernandes University of Minho, Portugal
15:10 – 15:30	Potential mechanism of antimicrobial action of silver nanoparticles obtained using <i>Geobacillus</i> sp. bacteria	Kotryna Čekuolytė Vilnius University, Lithuania
15:30 – 16:10	Coffee break	
16:10 – 16:30	Nova Natura (sponsor): Considerations for anaerobic culture in research and clinical labs	Petra Miikkulainen International Sales Manager, EMEA Baker
16:30 – 16:50	Insights into the microbial composition of the respiratory tract of bronchiectasis patients	Julija Armalytė Vilnius University, Lithuania
16:50 – 17:10	Versatile use of bacteriocin KvarM: intravenous treatment for <i>K. pneumoniae</i> sepsis or oral treatment for <i>K. pneumoniae</i> gut colonisation	Aušra Ražanskienė JSC Nomads, Lithuania
17:10 – 17:30	Synergism between aPDT and pulsed electric fields: an innovative strategy to overcome biofilm infections	Wanessa Melo State Scientific Research Institute Center of Physical and Technological Sciences, Lithuania
17:30 – 18:30	Poster session	

October 12, 2023

8:55 – 9:00	Information	
9:00 – 12:30	Session: GENETICS, BIOCHEMISTRY, AND PHYSIOLOGY OF MICROORGANISMS AND VIRUSES Moderators: Rimantas Daugelavičius, Jānis Liepiņš	
9:00 – 9:30	Keynote speaker: RHS Toxins – signed, sealed, delivered	Assoc. Prof. Dr. Dukas Jurėnas Université Libre de Bruxelles, Belgium
9:30 – 9:50	Understanding alternative roles of respiration in bacteria: the electron transport chain of <i>Zymomonas mobilis</i>	Uldis Kalnenieks, University of Latvia, Latvia
9:50 – 10:10	An ancestral dual function of OMPM as outer membrane tether and nutrient uptake channel in diderm Firmicutes	Augustinas Šilalė Newcastle University, United Kingdom
10:10 – 10:30	Linea Libera (sponsor): Advanced technologies in clinical microbiota research	Aistė Vitkūnaitė Field Application Scientist
10:30 – 11:10	Coffee break	
11:10 – 11:30	Translational fidelity in the absence of Ψ32 and Ψ38-40 in the anticodon stem-loop of tRNAs	Karl Jürgenstein University of Tartu, Estonia
11:30 – 11:50	Stringent response in phage defense of <i>Pseudomonas putida</i>	Hedvig Tamman University of Tartu, Estonia
11:50 – 12:10	Enzymatic benzene ring reduction at a [4Fe-4S-O] cluster, a key reaction of aromatic degradation in anaerobes	Jonathan Fuchs University of Freiburg, Germany
12:10 – 12:30	Phenolic biofilm inhibitors - affecting similar biological processes of <i>E. coli</i> despite diversity in structure	David Buchmann University of Greifswald, Germany
12:30 – 13:30	Lunch break	
13:30 – 17:00	Session: ENVIRONMENTAL MICROBIOLOGY Moderators: Eglė Lastauskienė, Daiva Burokienė	
13:30 – 14:00	Keynote speaker: From biodegradation to biocatalytic processes	Prof. Dr. Rolandas Meškys Vilnius university, Lithuania
14:00 – 14:20	Arctic microbiomes – bioprospection and risk-assessment	Lukasz Dziewit University of Warsaw, Poland
14:20 – 14:40	Droplet emulsion pipeline reveals how environmental pollutants impact antimicrobial resistance in distinctive ways	Simona Bartkova Tallinn University of Technology, Estonia
14:40 – 15:00	Ardeola (sponsor): Precise monitoring of the SARS-CoV-2 in wastewater by ddPCR	Petar Podlesniy Field Application Specialist – Genomics, “Bio-Rad Laboratories, Inc.”
15:00 – 15:40	Coffee break	
15:40 – 16:00	Bioremediation potential of microorganisms isolated from industrial environment	Daria Kowalczyk-Chrząstowska Wroclaw University, Poland
16:00 – 16:20	Organic acid production by gammaproteobacterial methanotrophs of lake and pond ecosystems	Ramita Khanongnuch Tampere University, Finland
16:20 – 16:40	Eco-friendly remediation of antibiotic resistance in wastewater: a constructed wetland approach	Mikolaj Wolacewicz University of Warsaw, Poland
16:40 – 17:00	Impact of microorganisms on the physical and mechanical properties of biocomposite boards impregnated with the linseed or tung tree oils	Dovilė Vasiliauskienė Vilnius Gediminas Technical University, Lithuania
17:00 – 18:00	Poster session	
20:00 – 23:00	Gala dinner	

October 13, 2023

8:55 – 9:00	Information	
9:00 – 14:40	Session: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Moderators: Patrick Fickers, Triinu Visnapuu, Jaunius Urbonavičius	
9:00 – 9:30	Keynote speaker: Microbial bioreporters for environmental sensing	Prof. Dr. Angela Ivask University of Tartu, Estonia
9:30 – 9:50	Molecular toolbox for gene expression from erythritol regulated promoters	Patrick Fickers University of Liège, Belgium
9:50 – 10:10	Structure and products of a maltase from yeast <i>Blastobotrys adeninivorans</i>	Triinu Visnapuu University of Tartu, Estonia
10:10 – 10:40	Labema (sponsor): Petrifilm. The solution built for efficiency. Don't waste time on media preparation	Matt Bricknell Professional Service Specialist EMEA, Food Safety, Neogen Corporation
10:40 – 11:20	Coffee break	
11:20 – 11:40	Long term viability studies of <i>Bacillus</i> species in biological self-healing concrete	Augusta Ivaškė Vilnius Gediminas Technical University, Lithuania
11:40 – 12:00	Research of <i>Geobacillus</i> lipases and esterases – new insights and possible applications	Vilius Malūnavičius Vilnius University, Lithuania
12:00 – 12:20	Revolutionizing the fight against <i>Pseudomonas aeruginosa</i> : unleashing the potencial of plant-expressed pyocins	Šarūnas Paškevičius JSC Nomads, Lithuania
12:20 – 12:40	Cold-active calcite precipitation: a study on <i>Sporosarcina</i> sp. ANT_H38 biotechnological potential	Karol Ciuchcinski University of Warsaw, Poland
12:40 – 13:40	Lunch break	
13:40 – 14:00	Antimicrobial activity of new synthesized heterocyclic hybrid compounds activated with blue laser light	Agnieszka Kania Pedagogical University of Krakow, Poland
14:00 – 14:20	Uncovering novel plasma membrane carboxylate transporters in the yeast <i>Cyberlindnera jadinii</i>	Maria Sousa-Silva University of Minho, Portugal
14:20 – 14:40	Discovery of novel type II bacterial toxin-antitoxin system from dark proteins	Minhal Abdullah University of Tartu, Estonia
14:40 – 15:20	Coffee break	
15:20 – 16:50	Session: FOOD MICROBIOLOGY Moderator: Mindaugas Malakauskas	
15:20 – 15:50	Keynote speaker: Following the one health approach in food science: microbiome research as a connecting force	Assoc. Prof. Dr. Evelyne Selberherr University of Veterinary Medicine Vienna, Austria
15:50 – 16:10	Lignocellulose to biochemicals, feed and food by oleaginous yeasts	Volkmar Passoth Swedish University of Agricultural Sciences, Sweden
16:10 – 16:30	Modification of 16S rRNA amplicon sequencing technology that quantitatively discriminates total and alive bacterial consortia	Jekaterina Kazantseva Center of Food and Fermentation Technologies, Estonia
16:30 – 16:50	High temperature lacto-fermentation improves the antidiabetic activities of red beetroot	Eric Banan-Mwine Daliri Vilnius University, Lithuania
16:50 – 17:00	Closing ceremony	