

1/6/2026						
Time	Moderator	Department	Supervisor	Presenter	Title	
9:00-9:10	Opening					
9:10-9:20	Inauguration					
9:20-9:30	Adam Gackowski	Laboratory of Plant Microbiology	dr Magdalena Rajewska	Ziemowit Juszcuk	Identification of <i>Ochrobactrum anthropi</i> ATCC 49188 genes essential for biofilm formation and attachment to biotic surfaces	
9:30-9:40			dr Magdalena Rajewska	Ewa Spiewak	Screening of the <i>Pseudomonas donghuensis</i> P482 miniTrn5 mutant library for its ability to form biofilms on abiotic surfaces and plant tissues	
9:40-9:50			dr hab. Dorota Krzyżanowska	Jan Jezierski	Effect of culture media on nitrosative stress sensitivity of <i>Pseudomonas donghuensis</i> P482 and characterization of the produced pigment	
9:50-10:00		Laboratory of Plant Biochemistry	dr Katarzyna Jasieniecka-Gazarkiewicz	Alicja Czyż	Biochemical characterization of enzymes involved in the synthesis of wax esters and fatty acid ethyl esters in microsomal fractions from <i>Arabidopsis thaliana</i> leaves	
10:00-10:10			dr Sylwia Kirińska-Bęchor	Karolina Słowińska	The role of phospholipid diacylglycerol acyltransferase1 (PDAT1) in plant adaptation to high temperature stress	
10:10-10:20			Prof. Dr hab. Antoni Banaś	Maksymilian Patola	The influence of drought stress on the development of <i>Arabidopsis</i> plants with varied expression of acyl-CoA:lysophosphatidylcholine acyltransferase (LPCAT) encoding genes	
10:20-10:30	Scheduled Break					
10:30-10:40	Scheduled Break					
10:40-10:50	Anieli Kosobucka	Laboratory of Recombinant Vaccines	dr hab. Ewelina Król, prof. UG	Karina Franchuk	Optimization of recombinant West Nile Virus NS2B-NS3 protease production in a bacterial gene expression system	
10:50-11:00			Prof. Dr hab. Bogusław Szewczyk	Zuzanna Derwich	Development of a Potential mRNA Vaccine Against Infectious Bronchitis Virus in Chickens	
11:00-11:10		Laboratory of Molecular Enzymology and Oncology	Prof. Dr hab. Rafał Sądej	Michalina Wilkowska	The FGFR signaling in regulation of DNA damage response	
11:10-11:20			dr Dominika Piasecka	Olga Gniewkowska	The role of YAP/TAZ in developing resistance to anti-ER therapy in luminal breast cancer cells	
11:20-11:30			dr Dominika Piasecka	Maja Siedicka	The significance of regulatory interactions between the FGFR and HER2 pathways in the progression of luminal breast cancer	
11:30-11:40		dr hab. Kamil Kitowska	Wiktorija Rysz	The role of FGFR4 - Aurora A – RAD51 interaction in the response of triple-negative breast cancer cells to anti-cancer drugs		
11:40-11:50	Scheduled Break					
11:50-12:00	Scheduled Break					
12:00-12:10	Poster Session					
12:10-12:20	Poster Session					
12:20-12:30	Poster Session					
12:30-12:40	Poster Session					
12:40-12:50	Poster Session					
12:50-13:00	Scheduled Break					
13:00-13:10	Scheduled Break					
13:10-13:20	Filip Kuś	Laboratory of Molecular Biology	dr hab. Katarzyna Węgrzyn	Adam Borys	Preparation of a research model for the analysis of the occurrence of the plasmid DNA phase separation phenomenon in bacteria	
13:20-13:30			Prof. Dr hab. Igor Konieczny	Małgorzata Mazur	Construction of vectors for analysis of the intracellular localization of CIP proteases	
13:30-13:40		Laboratory of Biomolecular Systems Simulation	dr hab. Rajmund Kaźmierkiewicz, prof. UG	Katarzyna Wirzba	Extension of the plugin functionality for running molecular dynamics simulations in the PyMOL program	
13:40-13:50		Laboratory of Protein Biochemistry	dr hab. Szymon Ziętkiewicz	Maja Wawrzonowska	Structural and functional analysis of a potentially pathogenic ubiquitin variant encoded by the human UBC gene	
13:50-14:00			dr Maria Pokornowska	Sofia Gómez Garcia	The study of Hsp70-substrate complex initiated by Class B1-domain proteins	
14:00-14:10	Laboratory of Biopolymers Structure	dr hab. Stanisław Odtziej, prof. UG	Marta Stuzienna	Identification of protein variants associated with salivary gland tumors		
14:10-14:20	Scheduled Break					
14:20-14:30	Scheduled Break					
14:30-14:40	Sara Grabowska	Rezon Bio	dr. Łukasz Wiśniewski, dr hab. Andrea Lipińska	Oskar Osiński	Optimization of the parameters of the chosen chromatographic step to ensure the optimal purity and quality of the obtained protein	
14:40-14:50			Mikołaj Poznański and dr Gabriela Brzuska	Rafał Rosiek	Optimization of selected cultivation parameters for a genetically modified CHO cell line in order to achieve the desired product quality after the fermentation stage	
14:50-15:00		Laboratory of Physical Biochemistry	dr Weronika Babińska-Wensierska	Maksymilian Frąckowiak	Evaluation of the effect of soil extracts on bacteria causing blackleg and soft rot diseases in potato	
15:00-15:10			dr Leszek Kadziński	Olga Kuchcińska	Development, optimization and validation of a GC-MS method for the quantitative analysis of short-chain fatty acids (SCFA) as markers of metabolic activity of the human gut microbiome	
15:10-15:20			dr Weronika Babińska-Wensierska	Rozalia Rębarz	Biological properties of <i>Paenibacillus polymyxa</i> against <i>Dickeya</i> spp. and <i>Pectobacterium</i> spp. and genomic analysis of selected strains	
15:20-15:30	Laboratory of Biophysics	dr hab. Jacek Piosik, prof. UG	Aliaksandra Yurchak	Interaction of platinum nanoparticles with idarubicin		
15:30-15:40		dr Grzegorz Golański	Aleksander Kowalewski	Interactions of titanium nanoparticles with doxorubicin and cisplatin		
2/6/2026						
9:00-9:10	Natalia Pawlik	Laboratory of Plant Protection and Biotechnology	dr hab. Małgorzata Waleron, prof. UG	Ewelina Janiak	Investigation of the role of auxins in the interaction between <i>Arabidopsis thaliana</i> and <i>Pectobacterium betavascularum</i>	
9:10-9:20			dr hab. Krzysztof Hinc	Grzegorz Jaborowski	The effect of phage-encoded transcription factors of prophage phi027 on the orientation of the flagellar switch and flagellum biogenesis in <i>Clostridioides difficile</i>	
9:20-9:30		Laboratory of Molecular Bacteriology	dr Alessandro Negri	Kacper Cisło	Recombinant <i>Bacillus subtilis</i> spores as a weapon against <i>Porphyromonas gingivalis</i>	
9:30-9:40			dr hab. Adam Iwanicki	Jan Hodr	Mapping of transcription factor Xre binding sites	
9:40-9:50			dr hab. Adam Iwanicki	Marta Drag	Characteristics of integrase of bacteriophages infecting <i>Clostridioides difficile</i>	
9:50-10:00		Prof. dr hab. Michał Obuchowski	Zuzanna Dobrowolska	Social interactions between <i>Dickeya solani</i> and <i>Bacillus subtilis</i>		
10:00-10:10	Scheduled Break					
10:10-10:20	Scheduled Break					
10:20-10:30	Aleksandra Karpińska	Laboratory of Biologically Active Compounds	Prof. Dr hab. inż. Aleksandra Królicka	Magdalena Kosmała	<i>Drasera zigzagii</i> extracts towards <i>Galleria mellonella</i> and their antimicrobial activity against <i>Vibrio</i> spp.	
10:30-10:40			dr Marta Potrykus	Natalia Toloczko	The influence of <i>Solanum dulcamara</i> exposure to chemical contaminants from the group of perfluoroalkyl compounds in the in vitro model	
10:40-10:50			dr Marta Krychowiak-Mańnicka	Kacper Dąbkowski	Assessment of the synergistic activity of silver ions combined with quinone against clinical isolates of <i>Pseudomonas aeruginosa</i> with varied antibiotic resistance profiles in planktonic and biofilm cultures	
10:50-11:00		Laboratory of Photobiology and Molecular Diagnostics	dr hab. Joanna Nałkoniczna, prof. UG	Sonia Gendera	Enterotoxin C gene expression in the interaction of <i>Staphylococcus aureus</i> with keratinocytes	
11:00-11:10			dr Magda Rybicka-Misiejko	Natalia Buc	The effects of green light irradiation on the A549 human non-small cell lung cancer cell line	
11:10-11:20	dr Agnieszka Bernat-Wójtowska		Karol Jankowski	The Effects of Red Light on Neural Stem Cell Proliferation and Differentiation In Vitro under Normal and Pathological Conditions		
11:20-11:30		dr Agata Woźniak-Pawlikowska	Anna Milewska	Investigation of the effect of photodynamic inactivation on the transfer of drug resistance genes via conjugation in <i>Escherichia coli</i>		
11:30-11:40		dr hab. Mariusz Grinholc, prof. UG	Amelia Kusak	Sublethal antimicrobial photodynamic inactivation modulates efflux pump activity in <i>Escherichia coli</i>		
11:40-11:50	Scheduled Break					
11:50-12:00	Scheduled Break					
12:00-12:10	Marta Greglewka	Laboratory of Cell Biology and Immunology	dr hab. Patrycja Koszałka	Luiza Malińska	The role of CD73 in the regulation of angiogenesis through lipid metabolism	
12:10-12:20			Prof. dr hab. Marcin Okrój	Nadia Panasiuk	Selection of laboratory assays for reliable assessment of complement-dependent cytotoxicity	
12:20-12:30			dr Małgorzata Stasiłojć	Anna Solecka	Modulation of the complement system classical pathway activity by variants of C2 protein	
12:30-12:40			Prof. dr hab. Marcin Okrój	Julian Zakrzewski	Development of a GASOALIE Fc-Engineered Anti-Cd4 Monoclonal Antibody to Overcome Tumor Resistance via Enhanced ADCC	
12:40-12:50		Laboratory of Evolutionary Biochemistry	dr inż. Bartłomiej Tomiczek	Jan Edward Skurski	The role of the β-hairpin region of DNAJ2 in preventing Aβ42 aggregation	
12:50-13:00	dr hab. Rafał Dutkiewicz, prof. UG		Kornelia Kaim	In vitro analysis of the interaction between the bacterial Icd1 protein and the Hsp70 system specialized in the iron-sulfur cluster biogenesis		
13:00-13:10		dr inż. Bartłomiej Tomiczek	Ignacy Renczyński	Measurement of DNAJB1 affinity for the N-terminal region of amyloid-β and crystallisation of the DNAJB1-β complex		
13:10-13:20	Laboratory of Structural Biology	dr hab. Michał R. Szymański, prof. UG	Weronika Łuszczewska	A Unique N-Terminal Domain Enables Hairpin Unwinding by E6 DNA Polymerase		
13:20-13:30		dr Daria Biernacka, dr hab. Grzegorz Grabe	Roksana Bohdasheva	Purification of the ubiquitination machinery components essential for studying the interaction between <i>Salmonella</i> and the host ubiquitin-proteasome system		
13:30-13:40	Scheduled Break					
13:40-13:50	Scheduled Break					
13:50-14:00	Agata Grzybowska	Laboratory of Translational Oncology	dr Barbara Seroczyńska	Marlena Cinkusz	Analysis of changes occurring in tumour-educated platelets (TEPs) as a result of interactions with cells from selected cancer cell lines	
14:00-14:10			dr hab. Aleksandra Markiewicz	Wiktor Grudniewski	Optimization of the protocol for detection of circulating tumor cells in breast cancer patients	
14:10-14:20		Laboratory of Virus Molecular Biology	dr Łukasz Rąbalski	Weronika Wojdacz	Validation of a nanopore sequencing-based method for genotyping hereditary alpha-tryptasemia (HαT) in patients with Hymenoptera venom anaphylaxis	
14:20-14:30			dr hab. Magdalena Weidner-Glunde	Mateusz Gałkowski	Identification of amino acids of the Human cytomegalovirus IE1 protein responsible for chromosome binding	
14:30-14:40			dr hab. Andrea Lipińska	Paulina Pałkowska	Investigation of immunomodulatory properties of SARS-CoV-2 ORF3d miniprotein	
14:40-14:50		dr Katarzyna Grzyb	Aleksandra Jankiewicz	Characterisation of recombinant SARS-CoV-2 spike proteins expressed in <i>Leishmania tarentolae</i>		
14:50-15:00	Scheduled Break and Award Decision					
15:00-15:10	Scheduled Break and Award Decision					
15:10-15:20	Scheduled Break and Award Decision					
15:20-15:30	Award Ceremony					
15:30-15:40	Award Ceremony					
15:40-15:50	Award Ceremony					
15:50-16:00	Award Ceremony					
16:00-16:10	Award Ceremony					
16:10-16:20	Award Ceremony					