

Monday 27.05							AWARDS			
TIME	N	SPEAKER	SUPERVISORS	RESEARCH GROUP / AFFILIATION	PRESENTATION TITLE	MODERATOR	POLPHARMA	KAWASKA	ADAMED	
9:00-9:10	Conference opening									
9:10-9:20	Inauguration									
9:20-9:30							Filip Kuś, MSc			
9:30-9:40										
9:40-9:50	1	Modzelewski Mateusz	Katarzyna Węgrzyn, PhD	Laboratory of Molecular Biology	Analysis of protein activity of variants DnaA V211A and R245A in process of initiation of plasmid replication			YES	YES	
9:50-10:00	2	Chodorowicz Paweł	Leszek Kadziński, PhD	Laboratory of Physical Biochemistry	Analysis of the effect of thymosinone on the stability of cholecalciferol using the HPLC technique			YES	YES	YES
10:00-10:10	3	Gorbacz Aron	Leszek Kadziński, PhD	Laboratory of Physical Biochemistry	Influence of polyethylene glycol on bioencapsulated β -galactosidase. Modeling and optimization of composite's synthesis process.			YES	YES	
10:10-10:20	4	Bogusławski Marcell	Jacek Płoski, PhD, DSc	Laboratory of Biophysics	Interaction of doxorubicin with platinum nanoparticles with diameters of 5 and 70 nanometers					
10:20-10:30	5	Marchewa Magdalena	Andrea Lipińska, PhD	Laboratory of Virus Molecular Biology	The impact of DMVs formed by SARS-CoV-2 proteins on antigen presentation pathways				YES	
10:30-10:40	6	Szydarowska Pola	Andrea Lipińska, PhD	Laboratory of Virus Molecular Biology	Development of a model for structural studies of viral proteins and the antigen presentation pathway		YES	YES		
10:40-10:50	7	Kłopotek Głowczewska Weronika	Katarzyna Grzyb, PhD	Laboratory of Virus Molecular Biology	Analysis of neutralizing properties of mouse sera after immunization with chimeric HBV/SARS-CoV2 virus-like particles.		YES	YES	YES	
10:50-11:00	Coffee Break									
11:00-11:10										
11:10-11:20										
11:20-11:30	8	Mietziuk Hubert	Rajmund Kaźmierkiewicz, PhD, DSc	Laboratory of Biomolecular Systems Simulations	Designing new substances against antibiotic-resistant strains of anthrax		YES	YES	YES	
11:30-11:40	9	Wójcicki Wiktor	Rajmund Kaźmierkiewicz, PhD, DSc	Laboratory of Biomolecular Systems Simulations	Designing new HIV-1 reverse transcriptase inhibitors					
11:40-11:50	10	Nowak Antonina	Aleksandra Królka, PhD, DSc	Laboratory of Biologically Active Compounds	Green synthesis of silver nanoparticles using Sea Buckthorn (Hippophae rhamnoides) - a plant with antioxidant properties.		YES	YES		
11:50-12:00	11	Sawik Anna	Marta Potrykus, PhD	Laboratory of Biologically Active Compounds	Diverse effects of <i>Drosophila zigzagia</i> extracts on multidrug-resistant environmental strains of <i>Escherichia coli</i>		YES	YES		
12:00-12:10	12	Grzubecka Patrycja	Katarzyna Jaseniecka-Gazarkiewicz, PhD	Laboratory of Plant Biochemistry	Effect of knock out of gene encoding for phospholipid:sterol acyltransferase on physiology and development of <i>Arabidopsis thaliana</i> grown under abiotic stress conditions		YES	YES	YES	
12:10-12:20	13	Półgajewska Natalia	Magdalena Rajewska, PhD	Laboratory of Plant Microbiology	Effect of colonization of <i>Arabidopsis thaliana</i> tissues by the beneficial strain <i>Pseudomonas donghuensis</i> P482 on plant growth and condition.		YES	YES		
12:20-12:30	14	Kaczerska Katarzyna	Małgorzata Waleron, PhD, DSc	Laboratory of Plant Protection and Biotechnology	Analysis of Extracellular Vesicles Secreted by Bacteria of the <i>Dickeya</i> Genus			YES	YES	
12:30-12:40	15	Szczańska Agata	Anna Kawiak, PhD	Laboratory of Plant Protection and Biotechnology	Pro-apoptotic effects of pierferlongumine toward tamoxifen in estrogen receptor-positive breast cancer cells			YES	YES	
12:40-12:50	16	Szkoda Weronika	Wojciech Śliedz, PhD, DSc	Laboratory of Plant Protection and Biotechnology	Eradication of bacteria associated with Acne Vulgaris from ex vivo porcine skin by direct cold atmospheric plasma jet type DBD		YES	YES	YES	
12:50-13:00	Coffee Break									
13:00-13:10										
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14:30-14:40	17	Sadowska Julia	Magda Rybicka-Misiejko, PhD	Laboratory of Photobiology and Molecular Diagnostics	THE INFLUENCE OF A PHOTODYNAMIC METHOD AND A NOVEL VENETIN-1 NANOPARTICLE ON A LUNG CANCER CELL LINE (A549)	Marc Muller, MSc		YES		
14:40-14:50	18	Konieczna Agata	Agnieszka Kłosowska, PhD	Laboratory of Protein Biochemistry	The binding mechanism of chaperone proteins Hsp70 and JDP class 8 to the surface of protein aggregates			YES		
14:50-15:00	19	Wernikowska Victoria	Prof. Krzysztof Liberek	Laboratory of Protein Biochemistry	A comparison of prokaryotic and eukaryotic Nucleotide Exchange Factors in refolding of proteins from aggregates			YES		
15:00-15:10	20	Rej Mikolaj	Szymon Ziętkiewicz, PhD, DSc	Laboratory of Protein Biochemistry	Purification and biochemical characterization of human Rab6B protein clinical variants.			YES		
15:10-15:20	21	Pikuik Patrycja	Aleksandra Rapacka-Zdonczyk, PhD	Laboratory of Photobiology and Molecular Diagnostics	Assessment of the risk of co-selection against antimicrobial blue light and thermal stress in <i>Escherichia coli</i> .			YES		
15:20-15:30	Coffee Break									
15:30-15:40										
15:40-15:50	22	Bilińska Julia	Stanisław Oldziej, PhD, DSc	Laboratory of Biopolymers Structure	Application of mass spectrometry for quantitative determination of cortisol in diverse biological matrices		YES	YES	YES	
15:50-16:00	23	Labudda Magdalena	Stanisław Oldziej, PhD, DSc	Laboratory of Biopolymers Structure	Synthetic NTPases and nucleases based on Trpzip motif.		YES	YES		
16:00-16:10	24	Jarecki Wiktor	Danuta Gutowska-Owsiak, PhD, DSc	Laboratory of Experimental and Translational Immunology	The distribution of CD1a molecule on antigen presenting cells upon exposure to permissive and non-permissive ligands			YES		
16:10-16:20	25	Łutczewski Adam	Prof. Krzysztyna Bieńkowska-Szewczyk	Laboratory of Virus Molecular Biology	Analysis of Spike Protein Gene Expression of MHV and SARS-CoV-2 Coronaviruses in Mammalian Cells	Ashwin Kallor, MSc	YES	YES		
16:20-16:30	26	Chodowicz Ewelina	Dominka Piasecka, PhD	Laboratory of Molecular Enzymology and Oncology	Role of FGFR4 in proliferation and growth of Triple Negative Breast Cancer cells and their response to PARP inhibitors		YES	YES		
16:30-16:40	27	Sadowski Wojciech	Dominka Piasecka, PhD	Laboratory of Molecular Enzymology and Oncology	The influence of FGFR4 on the Response of LAR TNC Cells to CDK4/6 inhibitors		YES	YES	YES	
16:40-16:50	28	Dudzić Karolina	Kamila Kitowska, PhD	Laboratory of Molecular Enzymology and Oncology	Impact of FGF7/FGFR2 signaling and IRS-1 protein on development of resistance to anti-ER therapies in luminal breast cancer.		YES	YES		
16:50-17:00	29	Miśta Gabriela	Prof. Rafał Sądaj	Laboratory of Molecular Enzymology and Oncology	The role of the interplay between FGF/FGFR signaling and DUSP activity in resistance to luminal breast cancer therapies			YES		
17:00-17:10	Tuesday 28.05									
10:00-10:10	30	Parteka Aleksandra	Natalia Bednarz-Knoł, PhD	Laboratory of Translational Oncology	Detection and significance of extracellular neutrophil traps in prostate cancer progression			YES		
10:10-10:20	31	Wojtaliewicz Izabela	Joanna Nakoneczna, PhD, DSc	Laboratory of Photobiology and Molecular Diagnostics	Accumulation of various photosensitizers in human keratinocytes using model of atopic dermatitis			YES		
10:20-10:30	32	Banacki Marcin	Aleksandra Markiewicz, PhD	Laboratory of Translational Oncology	The effect of basal breast cancer cell phenotype on the expression of immune-related markers			YES		
10:30-10:40	33	Letniowski Marcell	Zbigniew Jaremczyk, PhD	Polpharma Biologics SA	Long-term Predictions of Immunoglobulin Physical and Chemical Degradation Using the Arrhenius Equation		YES	YES		
10:40-10:50	34	Kowcun Natalia	Tomasz Goździewicz, PhD	Polpharma Biologics SA	Specificity characterization of anti-HCP antibodies used in host cell proteins impurities analysis of chosen biological drugs. Application of mass spectrometry and proteomics methods.		YES	YES	YES	
10:50-11:00	35	Bogusławski Kacper	Prof. Michał Obuchowski	Laboratory of Molecular Bacteriology	Surface presentation of cold-active β -galactosidases on <i>Bacillus subtilis</i> spores	Balbirna Surma, MSc		YES		
11:00-11:10	36	Roskwitalska Małgorzata	Adam Iwanicki, PhD, DSc	Laboratory of Molecular Bacteriology	The role of the Xre protein in maintaining the lysogeny state of phage phiCDK101 infecting clinical isolates of <i>Clostridioides difficile</i>			YES		
11:10-11:20	37	Trochowska Natalia	Alessandro Negri, PhD	Laboratory of Molecular Bacteriology	<i>Bacillus subtilis</i> spores useful in maintaining the homeostasis of oral flora			YES		
11:20-11:30	Coffee Break									
11:30-11:40										
11:40-11:50										
11:50-12:00	38	Buniewicz Jakub	Marcin Okrój, PhD, DSc	Laboratory of Cell Biology and Immunology	Design, production, purification and functional analysis of S94N and R205L gain-of-function variants of the complement C2 protein		YES	YES		
12:00-12:10	39	Greglewska Marta	Marcin Okrój, PhD, DSc	Laboratory of Cell Biology and Immunology	Expression of recombinant C2 gain-of-function complement protein in a prokaryotic system.		YES	YES		
12:10-12:20	40	Vanushyn Lion	Marcin Okrój, PhD, DSc	Laboratory of Cell Biology and Immunology	Assessment of complement receptor 1 (CR1) function by detection of C4d fragment on human erythrocytes		YES	YES	YES	
12:20-12:30	41	Trzcinski Fabian	Patrycja Koszałka, PhD, DSc and Grzegorz Stasiłoj, PhD	Laboratory of Cell Biology and Immunology	Antineoplastic Effect of Nutraceuticals and their Combinations with Chemotherapeutics on Leukemia and Breast Cancer Cell Lines			YES		
12:30-12:40	42	Dółkowska Anna	Prof. Bogusław Szewczyk	Laboratory of Recombinant Vaccines	Optimization of purification method of virus-like particles based on capsid protein of human norovirus			YES		
12:40-12:50	43	Raszewska Ewa	Ewelina Król, PhD, DSc	Laboratory of Recombinant Vaccines	Analysis of the effect of glycosylation inhibitors on the SARS-CoV-2 virus structural proteins production			YES		
12:50-13:00	44	Munitt Bartosz	Lukasz Rąbalski, PhD	Laboratory of Recombinant Vaccines	Optimizing Tick-Borne Encephalitis Virus sequencing procedure: a study on polish voles reservoirs.	Balbirna Surma, MSc		YES		
13:00-13:10	45	Stanek Kamila	Rafał Dutkiewicz, PhD, DSc	Laboratory of Evolutional Biochemistry	Functional and structural analysis of the Hsp70 protein which is the common ancestor of the yeast proteins Ssq1 and Ssc1		YES	YES	YES	
13:10-13:20	46	Maciejko Jan	Rafał Dutkiewicz, PhD, DSc	Laboratory of Evolutional Biochemistry	Biochemical reconstruction of the cysteine desulfurase - ferredoxin complex participating in the biogenesis of iron-sulfur clusters			YES		
13:20-13:30	Coffee Break									
13:30-13:40										
13:40-13:50										
13:50-14:00	47	Iwaniec Martyna	Katarzyna Macur, PhD	Core Facility Laboratories	Optimization of ultrasonically-assisted proteomic sample extraction and digestion			YES		
14:00-14:10	48	Karasitska Julia	Michał Szymański, PhD, DSc	Laboratory of Structural Biology	Structural characterization of proteins interaction involved in human mitochondrial genome repair and maintenance			YES		
14:10-14:20	49	Paniak Katarzyna	Michał Szymański, PhD, DSc	Laboratory of Structural Biology	Biochemical characterization of protein interaction involved in human mitochondrial genome repair and maintenance.			YES		
14:20-14:30	50	Udebska Ewa	Prof. Sylwia Jafra	Laboratory of Plant Microbiology	Generating mutants of <i>Pseudomonas donghuensis</i> strain P482 with inactivated genes related to Type 6 Secretion System.		YES	YES	YES	
14:30-14:40	51	Stacewicz Joanna	Paulina Czaplewska, PhD, DSc	Core Facility Laboratories	Immunomodulatory Effects of Venetin-1 in immunosuppressed Mice: A Proteomic Analysis of Spleen Tissue			YES		
14:40-14:50	52	Scibek-Regimontowska Weronika	Paulina Czaplewska, PhD, DSc	Core Facility Laboratories	Evaluation of the influence of Venetin-1 nanoparticles on <i>Candida auris</i> cells			YES		
14:50-15:00	53	Rykala Kamila	Prof. Tomasz Grabowski	Department of Inorganic Chemistry, GUMED	In silico selection and in vivo verification of activity of novel heptapeptides - polypeptides with tolerogenic activity			YES		
15:00-15:10	54	Sobolewska Marta	Prof. Robert Czajkowski	Laboratory of Biologically Active Compounds	Molecular analysis of dickycopin PD21 production by <i>Dickeya dadantii</i> 3937 under the influence of environmental factors.			YES		
15:10-15:20	55	Rynkowska Zofia	Monika Górńska-Arcisz, PhD	Laboratory of Molecular Enzymology and Oncology	The role of FGFR and ETV4-Hippo pathway in resistance to therapies of triple positive breast cancer	Reza Abouali, MSc	YES	YES	YES	
15:20-15:30	56	Sidoruk Aleksandra	Krzysztof Hinc, PhD, DSc	Laboratory of Molecular Bacteriology	Isolation and characterization bacteriophages from hospital strains of <i>Clostridioides difficile</i>			YES		
15:30-15:40	Coffee Break and Award Decision									
15:40-15:50										
15:50-16:00										
16:00-16:10										
16:10-16:20										
16:20-16:30										
16:30-16:40	Award Ceremony									