

THURSDAY 9th June

N	TIME	RESEARCH GROUP / AFFILIATION	SPEAKER	SUPERVISOR(S)	PRESENTATION TITLE
	9:00				CONFERENCE OPENING
	9:00 - 9:15				Inauguration of the Anna Podhajska Award and speech by the Dean of IFB
	9:15 - 09:45				Prof. Ewa Łojowska presentation about Anna Podhajska scientific achievements and contribution to the development of the Faculty
	09:45 - 10:15				Prof. Michał Szymański presentation "Mitochondrial genome maintenance in health and disease"
1	10:20-10:30	Laboratory of Plant Protection and Biotechnology	Borowska-Beszta Maria	Małgorzata Waleron, PhD, DSc	The study of the interaction between <i>Pectobacterium betavascularum</i> and plants
2	10:30-10:40	Laboratory of Plant Protection and Biotechnology	Prusiński Michał	Wojciech Ślędz, PhD	Plasma-induced eradication of animal pathogens from a porcine skin model
3	10:40-10:50	Laboratory of Plant Protection and Biotechnology	Januchowska Alicja	Anna Ilnatowicz, PhD	Analysis of the potential role of 2-oxoglutarate-dependent dioxygenases in plant responses to abiotic stresses
4	10:50-11:00	Laboratory of Plant Protection and Biotechnology	Spisacka Klaudia	Anna Kawiak, PhD	Effect of isoliquiritigenin on the activity of tamoxifen in breast cancer cells
5	11:00-11:10	Core Facility Laboratories	Szpiech Agata	Paulina Czaplewska, PhD, DSc	Proteomic analysis of biologically active fraction from coelomic fluid, isolation of protein components
	11:10-11:30				Coffee Break
6	11:30-11:40	Laboratory of Molecular Bacteriology	Agacińska Marta	Adam Iwanicki, PhD	Search for phage-encoded lysis genes within clinical isolates of <i>Clostridioides difficile</i>
7	11:40-11:50	Laboratory of Molecular Bacteriology	Kubacka Agata	Adam Iwanicki, PhD	Construction of expression vector for the production of phiCDKH01 bacteriophage endolysin
8	11:50-12:00	Laboratory of Molecular Bacteriology	Arendt Magdalena	Krzysztof Hinc, PhD	Study of the expression and function of the genes encoding ADP-ribosyltransferase present in the genome of phiCDKH01 prophage infecting <i>Clostridioides difficile</i>
9	12:00-12:10	Laboratory of Molecular Bacteriology	Kalinowska Katarzyna	Alessandro Negri, PhD	Construction of recombinant spores capable of binding zinc ions
10	12:10-12:20	Laboratory Of Translational Oncology	Ścińska Wiktoria	Prof. Anna Żaczek	Identification and clinical relevance of androgen receptor and epidermal growth factor receptor evaluated in circulating tumor cells of breast cancer patients
11	12:20-12:30	Laboratory Of Translational Oncology	Melchert Mateusz	Prof. Anna Żaczek	Immunotherapy of ROS1 rearrangement positive non-small cell lung cancers
12	12:30-12:40	Laboratory Of Translational Oncology	Kowalczyk Izabela	Anna Supernat, PhD	Single cell sequencing in liquid biopsies derived from ovarian cancer patients
13	12:40-12:50	Laboratory Of Translational Oncology	Śliwińska Magdalena	Aleksandra Markiewicz, PhD	Evaluation of ScreenCell® device for isolation of circulating tumour cells and cancer-associated fibroblasts from blood of breast cancer patients
14	12:50-13:00	Laboratory Of Translational Oncology	Wenta Robert	Natalia Bednarz-Knoll, PhD	Assessment of prognostic value of keratin phenotypes in prostate cancer
	13:00-13:30				Lunch Time
15	13:30-13:40	Laboratory of Virus Molecular Biology	Krawczyk Filip	Andrea Lipińska, PhD	Search for the optimal cell model for SARS-CoV-2 infection
16	13:40-13:50	Laboratory of Virus Molecular Biology	Ruiz Fernández Carmen	Małgorzata Graul, PhD	Optimization of SARS-CoV-2-based virus-like particles system
17	13:50-14:00	Laboratory of Recombinant Vaccines	Niziński Eryk	Łukasz Rąbalski, PhD	Real-time DNA sequencing in diagnostics of human respiratory viruses
18	14:00-14.10	Laboratory of Recombinant Vaccines	Wiśniewska Ewa	Ewelina Król, PhD, DSc	Production of potential vaccine antigens based on structural proteins of West Nile virus in the <i>Leishmania tarentolae</i> expression system
19	14:10-14.20	Laboratory of Recombinant Vaccines	Gupalo Andrii	Prof. Bogusław Szewczyk	Construction of a template for In vitro synthesis of mRNA for viral antigens
20	14:20-14.30	Laboratory of Recombinant Vaccines	Peplińska Marta	Prof. Bogusław Szewczyk	Construction and purification of European Brown Hare Syndrome Virus (EBHSV) virus-like particles in Sf9 insect cells
	14:30-14.50				Coffee Break
21	14:50-15:00	Laboratory of Virus Molecular Biology	Piotrowski Mikołaj	Prof. Krystyna Biełkowska-Szewczyk	Comparison of entry process of human coronaviruses into different types of cells
22	15:00-15.10	Laboratory of Virus Molecular Biology	Kunda Marcin	Prof. Krystyna Biełkowska-Szewczyk	Characterization of sHBSAg-based virus-like particles exposing SARS-CoV-2 spike epitopes
23	15:10-15.20	Laboratory of Virus Molecular Biology	Zimnowoda Majka	Alicja Chmielewska, PhD	The role of SARS-CoV-2 membrane protein M in the regulation of IFITM3
24	15:20-15.30	Laboratory of Biologically Active Compounds	Humińska Anna	Marta Krychowiak-Maśnicka, PhD	Assessment of antibacterial activity of secondary metabolites from selected carnivorous plants
25	15:30-15.40	Laboratory of Plant Biochemistry	Kędzierska Sara	Prof. Antoni Banaś	Effect of different PDAT1 encoding gene expression level on the growth of <i>A. thaliana</i> plants and lipid content in their leaves and seeds
26	15:40-15.50	Laboratory of Plant Biochemistry	Mancewicz Joanna	Katarzyna Jasieniecka - Gazarkiewicz, PhD	Effect of knock-out mutation in lysophosphatidyletanolamine acyltransferase (LPEAT) coding gene on growth and development of <i>Camelina sativa</i>

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27	10:30-10:40	Laboratory of Plant Microbiology	Borowicz Marcin	Sylvia Jafra, PhD, DSc	Molecular determinants of bacterial adhesion to biotic and abiotic surfaces – case study of the <i>Ochrobactrum</i> genus
28	10:40-10:50	Laboratory of Plant Microbiology	Darlińska Anieli	Magdalena Rajewska, PhD	Analysis of activity of mutations in genes associated with cyclic diGuanylate on biofilm formation in <i>Pseudomonas donghuensis</i> P482
29	10:50-11:00	Laboratory of Physical Biochemistry	Serocka Sylwia	Robert Łyżeń, PhD	Effect of thymoquinone on enterotoxin type A level in cultures of <i>Staphylococcus aureus</i>
30	11:00-11:10	Laboratory of Physical Biochemistry	Stalke Hanna	Leszek Kadziński, PhD	Modelling and optimization of the process of drying of silica composites – impact of this process on the activity of the enzyme entrapped inside of the composites
31	11:10-11:20	Laboratory of Protein Biochemistry	Kruk Kacper	Agnieszka Kłosowska, PhD	Characterisation of orthologs of β -Lactamase Inhibitory Protein II (BLIP-II) as potential tools to tackle antibiotic resistance
32	11:20-11:30	Laboratory of Molecular Enzymology and Oncology	Lasakowska Aleksandra	Rafał Sądej, PhD, DSc	FGF/FGFR-dependent regulation of the AP-1 complex in luminal breast cancer
33	11:30-11:40	Laboratory of Molecular Enzymology and Oncology	Leśniak Aleksandra	Rafał Sądej, PhD, DSc	Effect of the FGF7/FGFR2 signaling pathway on the regulation of p62 expression and activity in luminal breast cancer
34	11:40-11:50	Laboratory of Molecular Enzymology and Oncology	Chodorska Magdalena	Kamila Kitowska, PhD	Role of FGFR2/AP-1 in luminal breast cancer progression
35	11:50-12:00	Laboratory of Molecular Enzymology and Oncology	Polakiewicz Zuzanna	Kamila Kitowska, PhD	The FGFR2/IRS-1 interdependence in the progression of luminal breast cancer
	12:00-12.20				Coffee Break
36	12:20-12:30	Laboratory of Molecular Biology	Chmura Weronika	Prof. Igor Konieczny	Analysis of <i>Escherichia coli</i> Lon protease interaction with DNA
37	12:30-12:40	Laboratory of Molecular Biology	Hirsz Zuzanna	Prof. Igor Konieczny	Construction and analysis of modified variants of <i>Escherichia coli</i> Lon protease
38	12:40-12:50	Laboratory of Molecular Biology	Kuś Filip	Katarzyna Węgrzyn, PhD	Bacterial Inorganic Polyphosphate - Interactions with stressed <i>E. coli</i> proteins and influence on eukaryotic cell metabolism
39	12:50-13:00	Laboratory of Biomolecular Systems Simulations	Basińska Kalina	Rajmund Kaźmierkiewicz, PhD, DSc	Markov state model of protein folding
40	13:00-13:10	Laboratory of Photobiology and Molecular Diagnostics	Burzyńska Natalia	Mariusz Grinholc, PhD, DSc	Effect of photodynamic method with gallium-complexed porphyrin derivative on production and activity of pyocyanin in <i>Pseudomonas aeruginosa</i>
41	13:10-13:20	Laboratory of Biomolecular Systems Simulations	Kalinowski Bartłomiej	Rajmund Kaźmierkiewicz, PhD, DSc	De novo design and toxicity evaluation of potential SARS-CoV-2 main protease inhibitors
42	13:20-13:30	Laboratory of Photobiology and Molecular Diagnostics	Gawrońska Agnieszka	Joanna Nakonieczna, PhD, DSc	Effect of photodynamic method with water-soluble cationic gallium porphyrin on exotoxin production and activity in <i>Staphylococcus aureus</i>
43	13:30-13:40	Laboratory of Photobiology and Molecular Diagnostics	Golańska Joanna	Aleksandra Rapacka-Zdończyk, PhD	Determination of the risk of tolerance development to antimicrobial photodynamic inactivation in <i>Candida albicans</i> as a representative of fungal pathogens
44	13:40-13:50	Laboratory of Photobiology and Molecular Diagnostics	Szafrańek Zuzanna	Magda Rybycka-Misiejko, PhD	Determination of circulating tumor DNA (ctDNA) levels in perioperative liquid biopsy in patients diagnosed with colorectal cancer
45	13:50-14:00	Laboratory of Photobiology and Molecular Diagnostics	Wojciechowska Magdalena	Agnieszka Bernat-Wójtowska, PhD	The influence of blue light on differentiation of mouse embryonic stem cells into epidermal cells
	14:00-14.30				Lunch Time
46	14:30-14:40	Laboratory of Experimental and Translational Immunology	Klimczuk Mikołaj	Danuta Gutowska-Owsiak, PhD, DSc	Induction of a tolerogenic phenotype as a consequence of dendritic cell stimulation in time
47	14:40-14:50	Laboratory of Biophysics	Żakowska Natalia	Jack Piosik, PhD, DSc	Interaction between chemotherapeutic daunomycin and platinum nanoparticles
48	14:50-15:00	Laboratory of Biophysics	Zakrzewski Marcin	Grzegorz Gołusiński, PhD	Modulation of daunomycin with platinum nanoparticles
49	15:00-15:10	Laboratory of Cell Biology and Immunology	Kawecka Ada	Marcin Okrój, PhD, DSc	Functional analysis and binding of anti-C4d immunoglobulins to human lymphoma cells treated with rituximab
50	15:10-15:20	Laboratory of Cell Biology and Immunology	Jurkowska Paulina	Marcin Okrój, PhD, DSc	Analysis of the specificity of antibodies recognizing the C-terminal linear neoepitope of the complement C4d fragment
51	15:20-15:30	Laboratory of Cell Biology and Immunology	Mucha Patryk	Patrycja Koszałka, PhD, DSc	Extracellular metabolism of adenine nucleotides regulates differentiation of the breast cancer and melanoma cells
52	15:30-15:40	Laboratory of Biopolymers Structure	Odronec Amadeusz	Stanisław Oldziej, PhD, DSc	Peptidome composition of saliva from patients with salivary gland tumours
	15:40-16.00				Coffee Break and Award Decision

Award Ceremony

	16:00-16.15				
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