



Program Details

17.03.2026

11:00 - 14:00 Registration

11:30 - 11:45 Official Opening Ceremony (ul. Rudolfa Weigla 12, Wrocław)

11:45 - 12:00 About Polish Young Immunologists

12:00 - 13:00 Keynote speech 1: Dr. habil. Paulina Niedźwiedzka-Rystwej (University of Szczecin)

„Exhausted but Not Defeated: How PD-1 Pathways Influence Anti-Cancer Immunity”

13:00 - 13:45 Lunch

13:45 - 15:30 Session 1: Oncoimmunology

Chair: Dr. habil. Paulina Niedźwiedzka-Rystwej (University of Szczecin)

OP1 MSc Filip Lewandowski: Granzyme B at the crossroads of thyroid autoimmunity and head and neck cancer

OP2 MSc Weronika Kruczkowska: Decoding Glioblastoma's Resistance: How Immune Landscape Shields Tumor Cells from Chemotherapy

OP3 MSc Ewa Dejnaka: Linking mitochondrial metabolism and tumor microenvironment: estrogen-related receptor alpha in canine bladder cancer

OP4 Dr. Michał Mikitiuk: Development of Lysosome Targeting Chimera (LYTAC) for protein degradation in cancer immunotherapy

OP5 MSc Jan Barczyński: Preclinical development of ROR-1 x PD-L1 and Mesothelin x PD-L1 bispecific antibodies

OP6 Dr. Michał Skroński: MELBA study – analysis of immune checkpoint biomarkers expression in patients with melanoma, lung and gastric cancers

Sponsor's speech: Becton Dickinson

15:30 - 16:00 Coffee break

16:00 - 18:00 Workshop 1: **The use of real-time PCR in SNP genotyping** (capacity: 10)

19:00 - 21:00 **Axe throwing**: 7 siekier **Adress**: Tęczowa 25, 53-601 Wrocław (the organizer provides refreshments on site)

18.03.2026

8:30 - 12:30 Registration

9:00 - 10:00 Keynote speech 2: Dr. Ondrej Stepanek (Institute of Molecular Genetics of the Czech Academy of Sciences)

„Signaling pathways shape the outcomes of T-cell fate choices”

10:00 - 10:30 Coffee break

10:30 - 11:30 Session 2: Innate Immunology

Chair: Prof. dr. habil. Joanna Cichy (Jagiellonian University)

- **OP7** Dr. Ewa Oleszycka: Context Matters: The effect of Metabolite Derivatives Modulation on Distinct Macrophage Population
- **OP8** Dr. Ilona Aylott: Exogenous G-CSF mobilizes an unusual c-kit⁺ mature neutrophil cluster absent with CoPP-Induced Endogenous G-CSF
- **OP9** MSc Hubert Kasprzak: Analysis of pro- and anti-inflammatory gene response patterns in patients receiving phage therapy: the impact of biological age

Sponsor's speech: Omixys

11:30 - 12:30 Invited speaker 1: Dr. Agnieszka Razim (Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences)

„Building your academic CV: defining long-term goals, writing competitive research proposals and more”

12:30 - 13:15 Lunch

<p>13:15 - 14:00 Session 3: Neuroimmunology</p> <p>Chair: <u>Dr. Ali Jawaid, MD, PhD</u> (Lukasiewicz PORT- Polish Center for Technology Development)</p> <ul style="list-style-type: none">● OP10 Jan Zakrzewski: TDP-43 Aggregation as a Driver of Immune Dysregulation: Emerging Pathways of Microglial Reactivity in Amyotrophic Lateral Sclerosis● OP11 MSc Natalia Pocałun: Keratinocyte-Specific Regnase-1 Deficiency Alters Neuroimmune Crosstalk, Inflammation Kinetics, and Scratching	<p>13.15-15.15 Workshop 2: 3D Cell Imaging Using the Tomocube HT-2 Microscope (group 1, capacity: 5)</p>
---	---

<p>Behavior in an MC903-Induced Model of Atopic Dermatitis</p> <ul style="list-style-type: none"> ● OP12 MSc Nicole Kryniecka: From Gums to the Brain: Could Periodontal Disease Contribute to Alzheimer's Disease? <p>14:00 - 15:00</p> <p>Invited speaker 2: <u>Dr. Ali Jawaid, MD, PhD</u> (Lukasiewicz PORT- Polish Center for Technology Development)</p> <p>„Immunometabolic pathways of brain resilience and vulnerability across the lifespan”</p>	
---	--

15:00 - 15:30 Coffee break

<p>15:30 - 17:30 Flashtalk session + Workshop 3: The Art of Public Speaking</p> <p>Chair: <u>Dr. Ali Jawaid MD</u> (Lukasiewicz PORT- Polish Center for Technology Development)</p> <ul style="list-style-type: none"> ● OF1 MSc Michalina Pęcherz: Physiological oxygen level during endothelial progenitor cell culture increases vessel normalizing potential of extracellular vesicles ● OF2 MSc Agnieszka Barbach: The significance of heat shock protein 90 in calcitriol and tacalcitol anticancer activity against colorectal cancer cells ● OF3 BSc Zuzanna Pochwała: Interferons as Mediators of Neuroinflammation and Synaptic Loss in Alzheimer's Disease 	<p>15:15 - 17:15</p> <p>Workshop 2: 3D Cell Imaging Using the Tomocube HT-2 Microscope</p> <p>(group 2, capacity: 5)</p>
--	---

19:00 - 21:00 **Bowling Location:** Sky Tower, Sky Bowling **Address:** Powstańców Śląskich 95, 53-332 Wrocław (the organizer provides refreshments on site)

19.03.2026

8:30 - 13:00 Registration

9:00 - 10:00 Keynote speech 3: Dr. Katarzyna Sitnik (University of Veterinary Medicine Vienna)

„Lymphoid Tissue Fibroblasts in Immunity and Infection”

10:00 - 10:30 Coffee break

10:30 - 11:30 Session 4: Immunology of infectious diseases

Chair: Dr. habil. Mariola Paściak (Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences)

- **OP13** MSc Patrycja Burzyńska: Sialic acid specificity of Laverania Erythrocyte Binding Antigen 140 (EBA-140)
- **OP14** MSc Szymon Mazgaj: Neutrophil extracellular traps (NETs) in immunity and viral infections
- **OP15** MSc Mariia Tyshchenko: Keratinocyte-intrinsic Regnase-1 regulates inflammatory skin response to Staphylococcus aureus infection
- **OP16** MSc Laura Ribes-Mertinez: Preclinical therapeutic potential of phage FT5P against vancomycin-resistant *Enterococcus faecium* infections

11:30 - 12:30 Invited speaker 3: Dr. Louis Boon (JJP Biologics)

„Anti-CD89 Antibody for Personalized Treatment of IgA-Mediated Inflammatory Disorders: Autoantigen-Specific IgA, a Biomarker with Strong Effector Functions”

12:30 - 13:15 Lunch

13:15 - 13:45 Session 5: Microbiome and Immunology

Chair: Dr. Aleksandra Kołodziejczyk (International Institute of Molecular and Cell Biology in Warsaw)

- **OP17** MSc Subhasree Venkatasubramanian: Development of a universal chemically-defined medium for the analysis of „stressed“ bacterial EVs in the context of undernutrition
- **OP18** MSc Natalia Rzepka: Dissecting dendritic cell–microbiota interactions in the intestines: role of bacterial metabolites in shaping adaptive immunity

13:45 - 14:45 Invited speaker 4: Dr. Aleksandra Kołodziejczyk (International Institute of Molecular and Cell Biology in Warsaw)

„Host-microbiota interactions in health and disease”

14:45 - 15:45 Invited speaker 5: Dr. habil. Wojciech Juzwa (Poznań University of Life Sciences; Cyto-Logic)

„Who Is Who in the Microbiome? Single-Cell Technologies, Flow Cytometry, and the Architecture of Gut Microbial Communities”

15:45 - 16:15 Coffee break

16:00 - 17:30 Poster session + Best Poster Awards

Oncoimmunology

PP1 MSc Anas Waer-Asea: Modulation of Tumor Immunogenic Phenotype by Electroporation under Normoxia and Hypoxia

PP2 MSc Karolina Grycuk: RVU120 Potentiates NK Cell-Mediated ADCC in Combination with Therapeutic Antibodies

PP3 MSc Anna Rudawska: Bone marrow-derived macrophages loaded with boron carbide nanoparticles as selective boron carriers for crossing the blood-brain barrier toward glioma for boron neutron capture therapy

PP4 MSc Anna Andrzejczak: Distinct Mechanisms, Shared Goal: CAR-T and TCR-T Cell Therapies in Hematologic Malignancies

PP5 MSc Krystian Sarat: Optimizing CAR-T Expansion Conditions for the First Polish Academic Multiple Myeloma Therapy

PP6 BSc Szymon Więcek: Expression and gene polymorphism of miR-21 affect progression-free survival in multiple myeloma patients

PP7 Dr. Jagoda Mierzejwska: Impact of Static analogs on STAT3 expression and cytokine secretion in restimulated splenocytes obtained from MC38-bearing mice vaccinated with genetically modified dendritic cells

PP8 Dr. Agnieszka Szczygieł: Effect of Static analogs on STAT3 expression and cytokine secretion in genetically modified dendritic cells applied as anticancer vaccines

PP9 MSc Katarzyna Węgierek-Ciura: Co-delivery of IL-12/IL-15/IL-18 engineered dendritic cells in the murine colon cancer model

PP10 MSc Julia Depta TIGIT in non-small cell lung cancer and its major subtypes, adenocarcinoma and squamous cell carcinoma: evaluation of the TIGIT promoter methylation as well as mRNA and protein expression levels

Immunology of infectious diseases

PP11 MSc Weronika Krzyszczyk: Porphyromonas gingivalis attenuates Herpesviruses replication by gingipains-mediated virion destabilization

PP12 BSc Monika Jakoby: Immunomodulatory and Antiviral Properties of Spirulina platensis: Mechanisms and Therapeutic Potential

PP13 MSc Martyna Cieślik: Phage interactions with gut epithelium confirm the safety of phage therapy after oral administration

Neuroimmunology

PP14 BSc Wiktoria Grzybowska: Beyond Amyloid and Tau: Emerging Biomarkers for Early Diagnosis of Alzheimer's Disease

PP15 MSc Dominika Kozakiewicz: Gut Microbiota Products Modulate Blood–Brain Barrier Integrity: Insights from *Bifidobacterium animalis* BEVs

Hipersensitivity

PP16 MSc Aleksandra Wiekiera: Immunomodulatory effects of proteolytically inactive gingipains on osteoblast and osteoclast

PP17 Dr. Patrycja Kwiecińska Investigating Hematopoietic Memory in Long-Term Hematopoietic Stem Cells

PP18 BSc Hanna Krzyżanowska: Polymorphism within gene coding for activating NKG2D receptor and aging – study on a group of healthy Polish representatives

Microbiome and Immunology

PP19 MSc Anna Karlik: Synbiotics Reduce Hypercholesterolemia and Aortic Inflammation in ApoE Knockout Mice via Intestinal Cholesterol Metabolism and T Cell Modulation

Innate Immunology

PP20 BSc Magdalena Szczkowska: AREL1 E3 Ubiquitin Ligase as a Modulator of Innate Immune Signaling

PP21 MSc Karolina Rusewicz: Understanding the function of DTX3L ligase in the antiviral response induced by pattern recognition receptors (PRRs)

19:00 - 21:00 **Escape room** Exit 19 **Address:** Ofiar Oświęcimskich 19, 50-069 Wrocław

20.03.2026

9:00 - 10:00 Keynote speech 4: Dr. Róisín McManus (Deutsches Zentrum für Neurodegenerative Erkrankungen)

„Microglial innate immune signalling as a driver of dementia”

10:00 - 10:30 Coffee break

10:30 - 11:15 Session 6: Hipersensitivity

Chair: Dr. habil. Andrzej Eljaszewicz (Medical University of Białystok)

- **OP19** MSc Natalia Zagórska: Genistein modulates autoimmune inflammation in epidermolysis bullosa acquisita
- **OP20** MSc Kornelia Kłosińska: Comprehensive transcriptomic profiling of circulating platelets in patients with ankylosing spondylitis
- **OP21** MSc Agnieszka Kruszyńska: Potential mechanism of lymphoid cell death induced by anti-mhc ii antibodies

11:15 - 12:15 Invited speaker 6: Dr. habil. Andrzej Eljaszewicz (Medical University of Białystok)

„Beyond inflammation: the role of allergen proteases in airway remodelling”

12:15 - 13:00 Official Closing + Best Presentation Awards

13:00 - 13:45 Lunch