

Glyco2025 Conference Program	
9:00-9:30	Registration
9:30-11:00	Welcome session Session Chair: Paweł Link-Lenczowski
10:00-10:30	Plenary Lecture Agnieszka Graczyk-Jarzynka , IMDiK PAN, Warszawa <i>Beyond Recognition: N-Glycosylation-driven strategies to enhance efficacy of CAR-T cell based immunotherapies</i>
10:30-11:00	Plenary Lecture Thomas Klarić , Genos Laboratory, Zagreb, Croatia <i>Insights into the evolution of the mammalian brain via comparative N-glycomics</i>
11:00-11:30	Coffee break
11:30-13:00	Session 1. Glycobiology of cancer Session Chairs: Agnieszka Graczyk-Jarzynka and Thomas Klarić
11:30-11:45	Maciej Ugorski , Wrocław University of Environmental and Life Sciences <i>The resistance of breast cancer cells to apoptosis is increased by galactosylceramide through the EGFR signaling pathway</i>
11:45-12:00	Łukasz Opaliński , University of Wrocław <i>Rational control of proteoglycans endocytosis – towards upgraded precision and efficiency of protein-drug conjugates delivery into cancer cells</i>
12:00-12:15	Magdalena Surman , Jagiellonian University in Kraków <i>N-glycosylation as a modulator of functionality of extracellular vesicles and its diagnostic potential in bladder cancer</i>
12:15-12:30	Karolina Grzesik , Jagiellonian University in Kraków <i>Overexpression of the B3GALT1 gene and its impact on protein expression and cell behaviour</i>

12:30-12:45	<p>Jarosław Suchański, Wrocław University of Environmental and Life Sciences</p> <p><i>UGT8/GalCer-Dependent Resistance of Breast Cancer Cells to Drug-Induced Apoptosis is Regulated by the LIM/Homeobox Protein LHX6</i></p>
12:45-13:00	<p>Marcelina Janik, Jagiellonian University in Kraków</p> <p><i>Tunicamycin-related deregulation of uveal melanoma cells – a proteomic point of view</i></p>
13:00-14:30	Lunch and Poster session
14:30-15:30	<p>Session 2. Glycoproteins and glycosylation pathways</p> <p>Session Chair: Ewa Pocheć</p>
14:30-14:45	<p>Dorota Maszczak-Seneczko, University of Wrocław</p> <p><i>SLC35A2 deficiency disturbs Golgi homeostasis in a galactosylation-independent fashion</i></p>
14:45-15:00	<p>Sara Trzos, Jagiellonian University in Kraków</p> <p><i>The expression of SLC35C1 fucose transporter in peripheral blood mononuclear cells (PBMCs) differs between patients with Hashimoto's thyroiditis and healthy donors</i></p>
15:00-15:15	<p>Krzysztof Mikołajczyk, Hirsfeld Institute of Immunology and Experimental Therapy, Wrocław</p> <p><i>Insights into human alpha1,4-galactosyltransferase dimerization: the role in enzyme acceptor specificity and interactions with Shiga toxins</i></p>
15:15-15:30	<p>Vidhi Sehrawat, Małopolska Centre of Biotechnology, Kraków</p> <p><i>Modelling glycosylated neurotransmitter receptors reveals glycan-mediated constraints on ion conduction</i></p>
15:30-16:00	Coffee break
16:00-17:00	<p>Session 3. Infection, microorganisms, evolution</p> <p>Session Chair: Monika Majewska-Szczepanik</p>
16:00-16:15	<p>Patrycja Burzyńska, Hirsfeld Institute of Immunology and Experimental Therapy, Wrocław</p> <p><i>Sialic acid specificity of Laverania Erythrocyte Binding Antigen 140 (EBA-140)</i></p>

16:15-16:30	<p>Łukasz Sobala, Hirszfeld Institute of Immunology and Experimental Therapy, Wrocław</p> <p><i>Reconstructing the glycobiology of first animals and multicellularity using comparative glycomics</i></p>
16:30-16:45	<p>Ewa Maria Kratz, Wrocław Medical University</p> <p><i>Glycosylation variability of serum alpha-1-acid glycoprotein in the context of developing inflammation in patients with severe COVID-19 and convalescents after SARS-CoV-2 infection</i></p>
16:45-17:00	<p>Cédric Battaglino, Institute of Medical Biology, Łódź</p> <p><i>Role of LPS structure in the biological activity of OMVs from Yersinia enterocolitica</i></p>
17:00-17:15	Closing remarks