SFG 2026 Annual Meeting
Tuesday Poster Board Assignments – November 10
Poster Session II |5:30-7:00 PM | Sorted by Poster Number

Poster Number	Poster Title	Poster Presenter	Institution Affilliation
BT-1	A tale of two insects: N-glycomics of the fruit fly and the silkworm	Iain Wilson	Universität für Bodenkultur
BT-2	Functional Glycomics for Vaccines: A novel dual Enzyme Strategy for Structural Verification of Anti Pseudomonas aeruginosa Bioconjugates	Chakkumkal Anish	Astra Zeneca Pharmaceuticals
BT-3	Systematic evaluation of enrichment strategies for the analysis of intact N-glycopeptides via mass spectrometry	Konrad Celejewski	University of Toronto
BT-4	Cysteine-directed enrichment maps in vivo Protein O-glucosyltransferase 2 and 3 substrates in mouse lung	Kruti Dalal	Complex Carbohydrate Research Center, Department of Biochemistry and Molecular Biology, University of Georgia
BT-5	From Days to Hours: A Unified One-Flow Strategy for Rapid N- and O-Glycan Release in High-Throughput Glycomics	Bhoj Kumar	University of Georgia
BT-6	N-GlyRichTM and SiaRichTM: Affinity resins for specific enrichment of N-glycosylated and sialylated glycoproteins and glycopeptides	Sylvain Lehoux	Lectenz Bio
BT-7	Strategies for Comprehensive Mass Spectrometry Characterization of Lipid A in Gram-negative Pathogens	Aryana Razzaghi	University of Georgia
BT-8	213 nm UV photodissociation for high-resolution structural analysis of permethylated glycans	Sonali Sunsunwal	University of Georgia
BT-9	O-Glycosylation as Regulator of Amyloid-β and Tau Pathology in Alzheimer's Disease	Nancy V Vela Navarro	Florida Atlantic University Department of Chemistry and Biochemistry
BT-10	Characterization of Human Cytomegalovirus Surface Protein by Native MS	Zhixin Xu	School of Chemistry & Biochemistry and Native Mass Spectrometry Guided Structural Biology Center, Georgia Institute of Technology
BT-11	A Learned 3D Representation of Glycan Conformational Flexibility	Sydney D'amaddio	Department of Biochemistry and Biophysics, School of Medicine, University of North Carolina at Chapel Hill
BT-12	Glycan Composition Inference and Identifiability from Mass and	Ella Hope	Stanford University, MOMA Labs
BT-13	GlyGen: Advancing Glycoscience Through Intelligent Data Discovery, AI-Driven Access, and Community Data Sharing	Sujeet Kulkarni	Complex Carbohydrate Research Center, The University of Georgia
BT-14	KB-TOHSA: An RDF Knowledge Base for the Human Glycome Atlas	Miguel Mazumder	Glycan and Life Systems Integration Center (GaLSIC), Soka University
BT-15	GlyTableMaker: A glycomics and glycoproteomics data repository	Michael Tiemeyer	CCRC University of Georgia
BT-16	A Tools Suite for Exploring, Navigating and Discovery the Hidden Knowledge of Glyco-Bio KnowledgeBases	Achille Zappa	Soka University - Glycan and Life System Integration Center GaLSIC
BT-17	Glydentify: An evotuned deep learning platform for glycosyltransferase donor prediction	Ruili Fang	School of Computing, University of Georgia
BT-18	Protective role of immunoglobulin N-glycan against disseminated intravascular coagulation in urosepsis	Naoki Fujita	Hirosaki University Graduate School of Medicine
BT-19	Rapid and reversible endothelial glycocalyx disruption during tyrosine kinase inhibitor therapy in locally advanced or metastatic renal cell carcinoma	Naoki Fujita	Hirosaki University Graduate School of Medicine
BT-20	Matrix Metalloproteinase Signatures and their Association with Glycocalyx Injury and Fluid Overload After Pediatric Cardiac Surgery with Cardiopulmonary Bypass	Matthew Solomon	Monroe Carell Jr. Children's Hospital at Vanderbilt, Division of Pediatric Critical Care
BT-21	Integration of N-glycan mass spectrometry imaging and spatial proteomics for the analysis of pancreatic neoplasms and mucinous tumor tissues	Abigail Weatherford	Medical University of South Carolina
BT-22	Host glycan signatures of microbiome recovery in the female reproductive tract	Olga Sokolovskaya	Massachusetts Institute of Technology
BT-23	KLK5-secreting CAR-T cells remodel the tumor glycocalyx to enhance antitumor activity in solid tumors	Sangwoo Park	Harvard Medical School and Massachusetts General Hospital

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BT-24	Deciphering Siglec ligands in cancer to improve immunotherapy	Mathieu Decloquement	Department of Chemistry, University of Alberta
BT-25	Role of ST6GAL1 Sialyltransferase in Pancreatic Cancer Immune Evasion	Barnita Haldar	University of Alabama at Birmingham
BT-26	Expression of highly-sulfated keratan sulfate in papillary thyroid carcinoma	Eiichi Kato	Department of Otorhinolaryngology & Head & Neck Surgery, Faculty of Medical Science, University of Fukui
BT-27	E-selectin Ligand Expression by Acute Myeloid Leukemia Activates Survival Pathways and Affords Chemotherapy Protection	John Magnani	Complex Carbohydrate Research Center, UGA
BT-28	The participation of the polypeptide N-acetylgalactosaminiltransferase 6 (pp-GalNAc-T6) and O-linked glycans in the drug resistance phenotype in breast cancer cells.	Jhenifer Reis	Glycobiology Laboratory, Carlos Chagas Filho Institute of Biophysics, Federal University of Rio de Janeiro
BT-29	Glycan as a metabolic driver of pediatric acute lymphoblastic leukemia	Jihye Son	University of Florida/Department of Biochemistry and Molecular Biology
BT-30	The role of glyco-redox interplay with FUT8 and ferroptosis in pancreatic cancer cells	Naoyuki Taniguchi	Osaka International Cancer Institute
BT-31	Nascent pre-platelets and B4GALT1 glycosylation contribute to 5-FU–induced bone marrow recovery	Natalia Weich	Versiti Blood Research Institute
BT-32	O-GlcNAcylation Regulates ACTH Secretion in Corticotroph Adenoma Models	Adam Knier	Department of Biochemistry, Medical College of Wisconsin
BT-33	Knockdown of Fringe protein expression represses osteoclast activity	Stephen Purdue	Department of Biology, Eastern Washington University
BT-34	GNE-dependent Sialylation is Required for Megakaryocyte Maturation and Platelet Function	Katelyn Rosenbalm	Versiti Blood Research Institute
BT-35	COG4-Associated Golgi Dysfunction Impairs Proteoglycan-Rich Matrix Assembly in Patient iPSC-Derived Cartilage Organoids from Saul-Wilson Syndrome	Sonal Mahajan	Sanford Children's Health Research Center, Sanford Burnham Prebys
BT-36	Astrocytic Cellular Models of Neurological Glycogen Storage Diseases to Investigate Pre-Clinical Therapeutics	Kayla Brennan	Department of Biochemistry and Molecular Biology, University of Florida
BT-37	Two patients with pathogenic variants in the GNE gene present with distinct clinical manifestations	Tadashi Kaname	Department of Genome Medicine, National Center for Child Health and Development (NCCHD)
BT-38	Mannosyl-oligosaccharide glucosidase (MOGS) deficiency enhances microbially-mediated innate immune sensing in Drosophila	Ashutosh Pandey	Department of Molecular & Human Genetics, Baylor College of Medicine
BT-39	Loss of a single high-mannose N-glycan at Asn333 drives ACP3 misfolding, ER retention, and neurodevelopmental disease	Yoshiki Yamaguchi	Division of Structural Glycobiology, Institute of Molecular Biomembrane and Glycobiology, Tohoku Medical and Pharmaceutical University
BT-40	Development of Bordetella pertussis Fermentation of Chemically Modified Peptidoglycan Fragments	Bella Carnahan	Department of Chemistry and Biochemistry, University of Delaware
BT-41	Chemoenzymatic Synthesis of Human Mucin-Mimicking Glycopolypeptides	Youngjae Lee	University of Utah
BT-42	Synthesis of peptidoglycan fragments containing a 6-O-acetylation modification for therapeutic antibody production	Kathleen Stathoulopoulos	Department of Chemistry and Biochemistry, University of Delaware
BT-43	Covalent capture of transient protein-ligand interactions with squaramide ester probes	Hallie Trial	Department of Chemistry, Massachusetts Institute of Technology
BT-44	Programmable Glycocalyx Engineering Reveals Glycodomain Control of MUC1 Signaling and Dimerization	Ke Wang	Department of Molecular Pharmaceutics, University of Utah
BT-45	Programmable biosynthesis of human mucin-type O-glycans in a one-pot cell-free platform	Deepali Venkatesh Prasanna	Cornell University

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BT-46	Metabolic glycoengineering for producing site-specific antibody-drug conjugates	Helena Yun	University of Maryland College Park
BT-47	The 40th anniversary of deaminoneuraminic acid (Kdn): Its unique properties and biological significance	Ken Kitajima	Institute for Glyco-core Research, Nagoya University
BT-48	HIV envelope glycopeptide specific human CD4 T cell cloning and TCR sequencing and characterization	Fathima Zahra Abdul Nawaz	Department of Biochemistry, Emory Vaccine Center, Emory University School of Medicine
BT-49	Identifying and characterizing conserved determinants of HIV Env glycoantigen recognition	Trevor Adams	Emory University, Department of Biochemistry
BT-50	Phosphatidylethanolamine is essential for asymmetric peptidoglycan synthesis and antibiotic resistance in Mycobacterium smegmatis	Paige Bosworth	Department of Microbiology, University of Massachusetts
BT-51	Combinatorial glycoform landscapes tune SARS-CoV-2 RBD–ACE2 binding across hosts and variants	Constanza Espada	University of Missouri
BT-52	Defining Glycan-Encoded Regulation of Glycopeptide-MHCII Stability and Epitope Display	Adam Hannon-Hatfield	Department of Biochemistry, Emory Vaccine Center, Emory University
BT-53	Characterizing Fc-mediated mechanisms for protection against Influenza A or Streptococcus pneumoniae infection	Audrey Pierce	Department of Biochemistry and Molecular Biology, University of Georgia
BT-54	N-glycosylation enzyme Mpi Orchestrates Mucin O-glycosylation, Host-Microbe Containment, Paneth Cell defense, and Epithelial Metabolism	Jeff Sorelle	Department of Pathology, University of Texas Southwestern Medical Center
BT-55	Oxygen-dependent glycosylation of Skp1 regulates F-box protein selection and abundance in the unicellular parasite Toxoplasma gondii and the social amoeba Dictyostelium discoideum	Christopher West	Dept. of Biochemistry & Molecular Biology, Complex Carbohydrate Research Center, Center for Tropical and Emerging Global Diseases, University of Georgia
BT-56	Plasmodium falciparum Piesp1 is a Fuc-O-TSR: Glucosyltransferase With a Second, Unknown Function	Kelvin B. Luther	Complex Carbohydrate Research Center, University of Georgia
BT-57	The C-type Lectin and Hyaluronan Receptor Layilin Regulates IL10 Signaling in Macrophages	Aaron Petrey	Department of Pathology, Division of Microbiology and Immunology, University of Utah
BT-58	IgM present in Circulating Immune Complexes from IgA Nephropathy Patients Directly Binds to the Tn Antigen Within IgA1 and Is Mitogenic to Mesangial Cells	Rajindra Aryal	BIDMC, Department of Surgery, Harvard Medical School
BT-59	The Uniquely Unfavorable E430 and E345 Residues Inhibit Immunoglobin G1 Hexamer Formation Through Distinct Mechanisms	Alexander Davis	Department of Biochemistry and Molecular Biology, University of Georgia
BT-60	Elucidating the role of heparan sulfate in macrophage homeostasis by transcriptomics	Xuyang Fan	Wanshington University in St. Louis
BT-61	Defining the impact of combined cytokine and N-glycan modifying treatments on the potency of NK cell ADCC	Zainab Hakeem	Department of Biochemistry and Molecular Biology, University of Georgia
BT-62	Galactose-Deficient IgA1-Containing Immune Complexes from Sera of Patients with IgA Nephropathy, but not the Individual Protein Components, Activate Cultured Primary Human Mesangial Cells	Masaya Hirayama	University of Alabama at Birmingham
BT-63	O-Glycosylated CD43 is a novel pan-immune checkpoint in myeloid leukemia	Yun Li	School of Medicine, Department of Hematology and Medical Oncology, Emory University
BT-64	High Colocalization of MASP2 and IgA without Concurrent MBL Colocalization in Glomerular Immune-Complex Deposits of IgA Nephropathy Patients	Lea Novak	University of Alabama at Birmingham
BT-65	Comparison of autoreactive anti-ganglioside antibodies from Guillain-Barré Syndrome patients	Ashley Rogers	Department of Microbiology, University of Georgia
BT-66	Using Multi-site Glycan Detection of Plasma IgA1 as a Readout of the Cytokine Response During Episodic Viremia in Women Living with HIV	Jeffrey Schneider	Rush University

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BT-67	Estrogen Receptor–Dependent Regulation of IgG Glycosylation	Siyu Wang	Department of Pathology, Case Western Reserve University School of Medicine
BT-68	Characterization of Drug-Induced N-Glycan Remodeling and Biosynthetic Changes in Heterogenous Immune Cell Populations using Single Cell MALDI-MSI	Lauren Hill	Medical University of South Carolina
BT-69	Biological recognition of mirror image glycans	Ratmir Derda	University of Alberta
BT-70	Mapping Condensate Formation of Glycosaminoglycans with Cationic Peptides and Proteins	Fatemeh Khademi Moghadam	Department of Biochemistry & Cellular and Molecular Biology, University of Tennessee
BT-71	Lipid membranes grafted with chondroitin sulfate as a platform to study the glycocalyx	Teresa Rodriguez-Garcia	Department of Biochemistry & Cellular and Molecular Biology, University of Tennessee
BT-72	Disruption of O-GlcNAc cycling by O-GlcNAcase knockout alters DNA damage response in MEF cells	Patricia De Carvalho Cruz	Laboratory of Cell and Molecular Biology, NIDDK, National Institutes of Health
BT-73	Loss of O-GlcNAcase Promotes DNA Hypomethylation and Transcriptional Remodeling in Mouse Embryonic Stem Cells	Jessica Isis Oliveira De Paula	Laboratory of Cell and Molecular Biology, NIDDK, National Institutes of Health
BT-74	Purified recombinant human O-GlcNAcase reveals its interaction with nucleosomes and shows O-GlcNAc activity.	Javeria Zaheer	Laboratory of Cell and Molecular Biology, NIDDK, National Institutes of Health
BT-75	Altered Glycosylation and Extracellular Matrix Remodeling in Severe Traumatic Brain Injury	Nathan Gonsalves	University of Georgia
BT-76	Dissecting the cell-type origins of GALNT2-CDG neurological deficits	Sean Louzon	Children's Hospital of Philadelphia
BT-77	ST6GAL1-mediated secreted glioblastoma proteins promote platelet activation	Anitha Parthiban	University of Alabama at Birmingham
BT-78	Distinct Roles of STT3A and STT3B in Maintenance of ER and Golgi Morphology and Homeostasis	Jie Tian	Department of Pharmacology and Chemical Biology, Emory University School of Medicine
BT-79	Glycogene-Specific Polygenic Risk Score Predicts Glycemia in Type 2 Diabetes And Is Modified By Nutrient Exposure	Sridevi Krishnan	School of Nutritional Sciences and Wellness, University of Arizona
BT-80	Comprehensive Characterization of Glycoproteins on the Cell Surface and Their Dynamics using Mass Spectrometry-Based Proteomics	Ronghu Wu	Georgia Institute of Technology
BT-81	Intact and single-molecule analysis of heparan sulfate	Petar Hristov	Department of Chemistry and Chemical Biology, Harvard University
BT-82	Syndecan-1 Controls Hepcidin Expression and Iron Homeostasis Through BMP-SMAD Signaling in the Liver	Philip Gordts	University of Utah
BT-83	Regional Distribution of Heparan Sulfate Across the Porcine Sclera: A Pilot Immunofluorescence Study	Baudrul Mohammad Shahjalal	The University of Mississippi
BT-84	Programmable heparan sulfate mimetic engagement of G6b-B drives thrombopoiesis	Agata Steenackers	Translational Glycomics Center, Versiti Blood Research Institute
BT-86	Evidence for Novel Human Milk Polysaccharides	Zhengliang Wu	USDA