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

Poster Number	Poster Presenter	Institution Affilliation	Poster Title
BT-48	Fathima Zahra Abdul Nawaz	Department of Biochemistry, Emory Vaccine Center, Emory University School of Medicine	HIV envelope glycopeptide specific human CD4 T cell cloning and TCR sequencing and characterization
BT-49	Trevor Adams	Emory University, Department of Biochemistry	Identifying and characterizing conserved determinants of HIV Env glycoantigen recognition
BT-2	Chakkumkal Anish	Astra Zeneca Pharmaceuticals	Functional Glycomics for Vaccines: A novel dual Enzyme Strategy for Structural Verification of Anti Pseudomonas aeruginosa Bioconjugates
BT-58	Rajindra Aryal	BIDMC, Department of Surgery, Harvard Medical School	IgM present in Circulating Immune Complexes from IgA Nephropathy Patients Directly Binds to the Tn Antigen Within IgA1 and Is Mitogenic to Mesangial Cells
BT-50	Paige Bosworth	Department of Microbiology, University of Massachusetts	Phosphatidylethanolamine is essential for asymmetric peptidoglycan synthesis and antibiotic resistance in Mycobacterium smegmatis
BT-36	Kayla Brennan	Department of Biochemistry and Molecular Biology, University of Florida	Astrocytic Cellular Models of Neurological Glycogen Storage Diseases to Investigate Pre-Clinical Therapeutics
BT-40	Bella Carnahan	Department of Chemistry and Biochemistry, University of Delaware	Development of Bordetella pertussis Fermentation of Chemically Modified Peptidoglycan Fragments
BT-3	Konrad Celejewski	University of Toronto	Systematic evaluation of enrichment strategies for the analysis of intact N-glycopeptides via mass spectrometry
BT-4	Kruti Dalal	Complex Carbohydrate Research Center, Department of Biochemistry and Molecular Biology, University of Georgia	Cysteine-directed enrichment maps in vivo Protein O-glucosyltransferase 2 and 3 substrates in mouse lung
BT-11	Sydney D'amaddio	Department of Biochemistry and Biophysics, School of Medicine, University of North Carolina at Chapel Hill	A Learned 3D Representation of Glycan Conformational Flexibility
BT-59	Alexander Davis	Department of Biochemistry and Molecular Biology, University of Georgia	The Uniquely Unfavorable E430 and E345 Residues Inhibit Immunoglobin G1 Hexamer Formation Through Distinct Mechanisms
BT-72	Patricia De Carvalho Cruz	Laboratory of Cell and Molecular Biology, NIDDK,	Disruption of O-GlcNAc cycling by O-GlcNAcase knockout alters
BT-24	Mathieu Decloquement	Department of Chemistry, University of Alberta	Deciphering Siglec ligands in cancer to improve immunotherapy
BT-69	Ratmir Derda	University of Alberta	Biological recognition of mirror image glycans
BT-51	Constanza Espada	University of Missouri	Combinatorial glycoform landscapes tune SARS-CoV-2 RBD–ACE2 binding across hosts and variants
BT-60	Xuyang Fan	Wanshington University in St. Louis	Elucidating the role of heparan sulfate in macrophage homeostasis by transcriptomics
BT-17	Ruili Fang	School of Computing, University of Georgia	Glydentify: An evotuned deep learning platform for glycosyltransferase donor prediction
BT-18	Naoki Fujita	Hirosaki University Graduate School of Medicine	Protective role of immunoglobulin N-glycan against disseminated intravascular coagulation in urosepsis
BT-19	Naoki Fujita	Hirosaki University Graduate School of Medicine	Rapid and reversible endothelial glycocalyx disruption during tyrosine kinase inhibitor therapy in locally advanced or metastatic renal cell carcinoma
BT-75	Nathan Gonsalves	University of Georgia	Altered Glycosylation and Extracellular Matrix Remodeling in Severe Traumatic Brain Injury
BT-82	Philip Gordts	University of Utah	Syndecan-1 Controls Hepcidin Expression and Iron Homeostasis Through BMP-SMAD Signaling in the Liver
BT-61	Zainab Hakeem	Department of Biochemistry and Molecular Biology, University of Georgia	Defining the impact of combined cytokine and N-glycan modifying treatments on the potency of NK cell ADCC
BT-25	Barnita Haldar	University of Alabama at Birmingham	Role of ST6GAL1 Sialyltransferase in Pancreatic Cancer Immune Evasion
BT-52	Adam Hannon-Hatfield	Department of Biochemistry, Emory Vaccine Center, Emory University	Defining Glycan-Encoded Regulation of Glycopeptide-MHCII Stability and Epitope Display

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BT-68	Lauren Hill	Medical University of South Carolina	Characterization of Drug-Induced N-Glycan Remodeling and Biosynthetic Changes in Heterogenous Immune Cell Populations using Single Cell MALDI-MSI
BT-62	Masaya Hirayama	University of Alabama at Birmingham	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
BT-12	Ella Hope	Stanford University, MOMA Labs	Glycan Composition Inference and Identifiability from Mass and Biosynthetic Constraints
BT-81	Petar Hristov	Department of Chemistry and Chemical Biology, Harvard University	Intact and single-molecule analysis of heparan sulfate
BT-37	Tadashi Kaname	Department of Genome Medicine, National Center for Child Health and Development (NCCHD)	Two patients with pathogenic variants in the GNE gene present with distinct clinical manifestations
BT-26	Eiichi Kato	Department of Otorhinolaryngology & Head & Neck Surgery, Faculty of Medical Science, University of Fukui	Expression of highly-sulfated keratan sulfate in papillary thyroid carcinoma
BT-70	Fatemeh Khademi Moghadam	Department of Biochemistry & Cellular and Molecular Biology, University of Tennessee	Mapping Condensate Formation of Glycosaminoglycans with Cationic Peptides and Proteins
BT-47	Ken Kitajima	Institute for Glyco-core Research, Nagoya University	The 40th anniversary of deaminoneuraminic acid (Kdn): Its unique properties and biological significance
BT-32	Adam Knier	Department of Biochemistry, Medical College of Wisconsin	O-GlcNAcylation Regulates ACTH Secretion in Corticotroph Adenoma Models
BT-79	Sridevi Krishnan	School of Nutritional Sciences and Wellness, University of Arizona	Glycogene-Specific Polygenic Risk Score Predicts Glycemia in Type 2 Diabetes And Is Modified By Nutrient Exposure
BT-13	Sujeet Kulkarni	Complex Carbohydrate Research Center, The University of Georgia	GlyGen: Advancing Glycoscience Through Intelligent Data Discovery, AI-Driven Access, and Community Data Sharing
BT-5	Bhoj Kumar	University of Georgia	From Days to Hours: A Unified One-Flow Strategy for Rapid N- and O-Glycan Release in High-Throughput Glycomics
BT-41	Youngjae Lee	University of Utah	Chemoenzymatic Synthesis of Human Mucin-Mimicking Glycopolypeptides
BT-6	Sylvain Lehoux	Lectenz Bio	N-GlyRichTM and SiaRichTM: Affinity resins for specific enrichment of N-glycosylated and sialylated glycoproteins and glycopeptides
BT-63	Yun Li	School of Medicine, Department of Hematology and Medical Oncology, Emory University	O-Glycosylated CD43 is a novel pan-immune checkpoint in myeloid leukemia
BT-76	Sean Louzon	Children's Hospital of Philadelphia	Dissecting the cell-type origins of GALNT2-CDG neurological deficits
BT-56	Kelvin B. Luther	Complex Carbohydrate Research Center, University of Georgia	Plasmodium falciparum Piesp1 is a Fuc-O-TSR: Glucosyltransferase With a Second, Unknown Function
BT-27	John Magnani	Complex Carbohydrate Research Center, UGA	E-selectin Ligand Expression by Acute Myeloid Leukemia Activates Survival Pathways and Affords Chemotherapy Protection
BT-35	Sonal Mahajan	Sanford Children’s Health Research Center, Sanford Burnham Prebys	COG4-Associated Golgi Dysfunction Impairs Proteoglycan-Rich Matrix Assembly in Patient iPSC-Derived Cartilage Organoids from Saul-Wilson Syndrome
BT-14	Miguel Mazumder	Glycan and Life Systems Integration Center (GaLSIC), Soka University	KB-TOHSA: An RDF Knowledge Base for the Human Glycome Atlas
BT-64	Lea Novak	University of Alabama at Birmingham	High Colocalization of MASP2 and IgA without Concurrent MBL Colocalization in Glomerular Immune-Complex Deposits of IgA Nephropathy Patients
BT-73	Jessica Isis Oliveira De Paula	Laboratory of Cell and Molecular Biology, NIDDK, National Institutes of Health	Loss of O-GlcNAcase Promotes DNA Hypomethylation and Transcriptional Remodeling in Mouse Embryonic Stem Cells

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BT-38	Ashutosh Pandey	Department of Molecular & Human Genetics, Baylor College of Medicine	Mannosyl-oligosaccharide glucosidase (MOGS) deficiency enhances microbially-mediated innate immune sensing in Drosophila
BT-23	Sangwoo Park	Harvard Medical School and Massachusetts General Hospital	KLK5-secreting CAR-T cells remodel the tumor glycocalyx to enhance antitumor activity in solid tumors
BT-77	Anitha Parthiban	University of Alabama at Birmingham	ST6GAL1-mediated secreted glioblastoma proteins promote platelet activation
BT-57	Aaron Petrey	Department of Pathology, Division of Microbiology and Immunology, University of Utah	The C-type Lectin and Hyaluronan Receptor Layilin Regulates IL10 Signaling in Macrophages
BT-53	Audrey Pierce	Department of Biochemistry and Molecular Biology, University of Georgia	Characterizing Fc-mediated mechanisms for protection against Influenza A or Streptococcus pneumoniae infection
BT-33	Stephen Purdue	Department of Biology, Eastern Washington University	Knockdown of Fringe protein expression represses osteoclast activity
BT-7	Aryana Razzaghi	University of Georgia	Strategies for Comprehensive Mass Spectrometry Characterization of Lipid A in Gram-negative Pathogens
BT-28	Jhenifer Reis	Glycobiology Laboratory, Carlos Chagas Filho Institute of Biophysics, Federal University of Rio de Janeiro	The participation of the polypeptide N-acetylgalactosaminiltransferase 6 (pp-GalNAc-T6) and O-linked glycans in the drug resistance phenotype in breast cancer cells.
BT-71	Teresa Rodriguez-Garcia	Department of Biochemistry & Cellular and Molecular Biology, University of Tennessee	Lipid membranes grafted with chondroitin sulfate as a platform to study the glycocalyx
BT-65	Ashley Rogers	Department of Microbiology, University of Georgia	Comparison of autoreactive anti-ganglioside antibodies from Guillain-Barré Syndrome patients
BT-34	Katelyn Rosenbalm	Versiti Blood Research Institute	GNE-dependent Sialylation is Required for Megakaryocyte Maturation and Platelet Function
BT-66	Jeffrey Schneider	Rush University	Using Multi-site Glycan Detection of Plasma IgA1 as a Readout of the Cytokine Response During Episodic Viremia in Women Living with HIV
BT-83	Baudrul Mohammad Shahjalal	The University of Mississippi	Regional Distribution of Heparan Sulfate Across the Porcine Sclera: A Pilot Immunofluorescence Study
BT-22	Olga Sokolovskaya	Massachusetts Institute of Technology	Host glycan signatures of microbiome recovery in the female reproductive tract
BT-20	Matthew Solomon	Monroe Carell Jr. Children's Hospital at Vanderbilt, Division of Pediatric Critical Care	Matrix Metalloproteinase Signatures and their Association with Glycocalyx Injury and Fluid Overload After Pediatric Cardiac Surgery with Cardiopulmonary Bypass
BT-29	Jihye Son	University of Florida/Department of Biochemistry and Molecular Biology	Glycan as a metabolic driver of pediatric acute lymphoblastic leukemia
BT-54	Jeff Sorelle	Department of Pathology, University of Texas Southwestern Medical Center	N-glycosylation enzyme Mpi Orchestrates Mucin O-glycosylation, Host-Microbe Containment, Paneth Cell defense, and Epithelial Metabolism
BT-42	Kathleen Stathoulopoulos	Department of Chemistry and Biochemistry, University of Delaware	Synthesis of peptidoglycan fragments containing a 6-O-acetylation modification for therapeutic antibody production
BT-84	Agata Steenackers	Translational Glycomics Center, Versiti Blood Research Institute	Programmable heparan sulfate mimetic engagement of G6b-B drives thrombopoiesis
BT-8	Sonali Sunsunwal	University of Georgia	213 nm UV photodissociation for high-resolution structural analysis of permethylated glycans
BT-30	Naoyuki Taniguchi	Osaka International Cancer Institute	The role of glyco-redox interplay with FUT8 and ferroptosis in pancreatic cancer cells
BT-78	Jie Tian	Department of Pharmacology and Chemical Biology, Emory University School of Medicine	Distinct Roles of STT3A and STT3B in Maintenance of ER and Golgi Morphology and Homeostasis
BT-15	Michael Tiemeyer	CCRC University of Georgia	GlyTableMaker: A glycomics and glycoproteomics data repository

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BT-43	Hallie Trial	Department of Chemistry, Massachusetts Institute of Technology	Covalent capture of transient protein-ligand interactions with squaramide ester probes
BT-9	Nancy V Vela Navarro	Florida Atlantic University Department of Chemistry and Biochemistry	-Glycosylation as Regulator of Amyloid-β and Tau Pathology in Alzheimer's Disease
BT-45	Deepali Venkatesh Prasanna	Cornell University	Programmable biosynthesis of human mucin-type O-glycans in a one-pot cell-free platform
BT-44	Ke Wang	Department of Molecular Pharmaceutics, University of Utah	Programmable Glycocalyx Engineering Reveals Glycodomain Control of MUC1 Signaling and Dimerization
BT-67	Siyu Wang	Department of Pathology, Case Western Reserve University School of Medicine	Estrogen Receptor–Dependent Regulation of IgG Glycosylation
BT-21	Abigail Weatherford	Medical University of South Carolina	Integration of N-glycan mass spectrometry imaging and spatial proteomics for the analysis of pancreatic neoplasms and mucinous tumor tissues
BT-31	Natalia Weich	Versiti Blood Research Institute	Nascent pre-platelets and B4GALT1 glycosylation contribute to 5-FU–induced bone marrow recovery
BT-55	Christopher West	Dept. of Biochemistry & Molecular Biology, Complex Carbohydrate Research Center, Center for Tropical and Emerging Global Diseases, University of Georgia	Oxygen-dependent glycosylation of Skp1 regulates F-box protein selection and abundance in the unicellular parasite Toxoplasma gondii and the social amoeba Dictyostelium discoideum
BT-1	Iain Wilson	Universität für Bodenkultur	A tale of two insects: N-glycomics of the fruit fly and the silkworm
BT-80	Ronghu Wu	Georgia Institute of Technology	Comprehensive Characterization of Glycoproteins on the Cell Surface and Their Dynamics using Mass Spectrometry-Based Proteomics
BT-86	Zhengliang Wu	USDA	Evidence for Novel Human Milk Polysaccharides
BT-10	Zhixin Xu	School of Chemistry & Biochemistry and Native Mass Spectrometry Guided Structural Biology Center, Georgia Institute of Technology	Characterization of Human Cytomegalovirus Surface Protein by Native MS
BT-39	Yoshiki Yamaguchi	Division of Structural Glycobiology, Institute of Molecular Biomembrane and Glycobiology, Tohoku Medical and Pharmaceutical University	Loss of a single high-mannose N-glycan at Asn333 drives ACP3 misfolding, ER retention, and neurodevelopmental disease
BT-46	Helena Yun	University of Maryland College Park	Metabolic glycoengineering for producing site-specific antibody-drug conjugates
BT-74	Javeria Zaheer	Laboratory of Cell and Molecular Biology, NIDDK, National Institutes of Health	Purified recombinant human O-GlcNAcase reveals its interaction with nucleosomes and shows O-GlcNAc activity.
BT-16	Achille Zappa	Soka University - Glycan and Life System Integration Center GaLSIC	A Tools Suite for Exploring, Navigating and Discovery the Hidden Knowledge of Glyco-Bio KnowledgeBases