SFG 2026 Annual Meeting
Monday Poster Board Assignments – November 9
Poster Session I | 4:00–5:30 PM | Sorted by Presenter Name

Poster Number	Poster Presenter	Institution Affilliation	Poster Title
BM-18	Vanessa Abercrombie	Thermo Fisher Scientific	EP- and USP-Compliant Separation of Fluorodeoxyglucose from Fluorodeoxymannose and Chlorodeoxyglucose by Anion Exchange Chromatography with Pulsed Amperometric Detection
BM-49	Aastha Acharya	Department of Chemistry and Biochemistry, University of Delaware	Chemoenzymatic Synthesis of Bacterial UDP-Sugars to Investigate Host–Microbe Glycan Interactions
BM-24	Adeela Ali	Emory University	Title: Novel artificial lectin derived from gut bacteria fused to Fc as a therapeutic for highly mannosylated targets
BM-50	Stephanie Ander	Louisiana State University Health Shreveport	Context-Dependent Heparan Sulfate Recognition Regulates Arbovirus Dissemination
BM-25	Debora Andrade Silva	Department of Biochemistry, UT Southwestern Medical Center	RUNX1 orchestrates glycocalyx structure in Colo205 colorectal cancer cells
BM-58	Collin Ballard	Department of Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School	The Quantification and Characterization of Galactose Deficient IgA1 in IgA Nephropathy
BM-70	Ujala Bashir	Department of Chemistry and Molecular Biology, University of Gothenburg	Beyond the Secretory Pathway: Oncogenic Signalling Regulates Extended Glycosylation in the Nucleus
BM-69	Teresa Beamon	University of Alabama at Birmingham Department of Surgery	Desmoglein 2 (DSG2) ST6GAL1 Mediated Sialylation Modulates Desmosome Ultrastructure and Strength in CRC
BM-32	Lauren Beatty	Biomedical Engineering, State University of New York	Blood glycan heterogeneity in healthy and disease human populations
BM-11	Jacob Bedia	Washington University School of Medicine in Saint Louis	Protein language model-based prediction of heparan sulfate binding proteins with HSBPFinder
BM-3	George Bendzunas	Lectenz Bio	Multiplexed Monitoring of Recombinant Protein Glycosylation Patterns
BM-82	Alexander Carbonell	Department of Neuroscience, University of Florida	Hypothalamic perineuronal nets undergo biphasic remodeling in response to high fat diet
BM-59	Grace Carlson	Case Western Reserve University	Investigating the effects of various proinflammatory cytokines on endothelial cells' ability to sialylate IgG
BM-56	Jessica Castillo	Department of Chemistry & Biochemistry, California State University Dominguez Hills	Effects of Truncation on CXCL8 Heparan Sulfate Binding and Oligomerization
BM-4	Xuyang Chen	Department of Chemical and Biological Engineering, School of Engineering and Applied Sciences, University at Buffalo, The State University of New York	Towards gaining glycan topology understanding from glycoproteomics experiments
BM-22	Shuhui Chen	Vector Labs	Novel tools for spatial profiling of protein glycosylation in cancer biology
BM-41	Pengxi Chen	The Scripps Research Institute	Enzymatic Differentiation and Diversification of Multi-antennary N-Glycans Enabled by Naturally Occurring Moieties on Glycans as Novel Protecting Groups
BM-75	Bruno da Costa Rodigues	University of Kansas Medical Center	O-GlcNAcylation reverses Alzheimer disease molecular signatures through distinct mechanisms in males and females
BM-51	Elif Sena Demir	Department of Biochemistry, Emory Vaccine Center, Emory University	PsrP O-glycosylation is metabolically wired to central amino-sugar metabolism in Streptococcus pneumoniae
BM-40	Dahai Ding	University of Georgia	Red Blood Cell Surface Engineering for Influenza Hemagglutination Using Synthetic Sialylated N-Glycans
BM-68	Priya Dipta	Nagoya University	Exploring ST6GAL1-mediated Anti-inflammatory Macrophage Sialylation in Immune Communication and Disease
BM-60	Sarah Dohadwala	Dept of Virology, Immunology, and Microbiology, Boston University	A Semenogelin-Derived Glycopeptide Bound to a Galectin-3 N-Linked Glycan Complex on the Sperm Surface is the Potential Target of the Human Contraception Antibody
BM-17	Austin Downes	School of Computing, University of Georgia	Interactive Exploration of Protein Sequence Embedding Spaces

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BM-36	Jeffery Fairley	Complex Carbohydrate Research Center at The University of Georgia, Department of Biochemistry and Molecular Biology	Investigating the Downstream Effects of O-GlcNAc Transferase (OGT) in X- Linked Intellectual Disability
BM-87	Jonah Friedmann	Department of Biochemistry and Molecular Biology, University of Georgia	Evaluating Glycan Remodeling in the Peri-Arbuscular Membrane (PAM) formed in Sorghum Root Cortex during Arbuscular Mycorrhizal Fungi (AMF) Symbiosis
BM-80	Longping Fu	Georgia Institute of Technology	Site-Specific Intact N-Glycoproteomics Reveals Multi-Level N-Glycosylation Remodeling during the Monocyte-to-Macrophage Differentiation
BM-19	Naoki Fujita	Hirosaki University Graduate School of Medicine	Differential effects of testosterone deprivation and androgen receptor inhibition on endothelial glycocalyx integrity in prostate cancer
BM-52	Soumi Ghosh	Virginia Polytechnic Institute and State University	Mammalian soluble lectins as probes for host recognition of zoonotic viruses
BM-61	Daniela Gonzalez Pinero	Division of Neonatology, Cincinnati Children's Hospital Medical Center	Sialic Acid 9-O-Acetylation Maintains Tolerance Against Autoimmune Arthritis
BM-12	Rudiyanto Gunawan	Department of Chemical and Biological Engineering, University at Buffalo-SUNY	Fine-tuning a Transformer Model for Glycan Structure Inference from Under-represented MS/MS Spectra
BM-62	Stact Hall	University of Alabama at Birmingham	Immune Complexes Consisting of Galactose-deficient IgA1, IgG Autoantibodies, and Complement C3 Activate Cultured Primary Human Mesangial Cells
BM-37	Aflah Hanafiah	Children's Hospital of Philadelphia	Preclinical Mouse Models of ATP6AP2-CDG Neurological and Hepatological Clinical Manifestations
BM-1	Huilin Hao	Complex Carbohydrate Research Center, University of Georgia	Profiling of O-fucose proteome of POFUT1 and POFUT2 using 6-alkynyl fucose
BM-31	Anita Hjelmeland	1Department of Cell, Developmental and Integrative Biology, University of Alabama at Birmingham	ST6GAL1 Regulation of the Brain Tumor Initiating Cell Surface Proteome and Secretome
BM-53	Jakub Hryc	Dioscuri Centre for Modelling of Posttranslational Modifications, Malopolska Centre of Biotechnology, Jagiellonian University	Quantifying How the Expression System Shapes the Glycan Shield of Viral Glycoproteins
BM-63	Aminul Islam	Cincinnati Children's Hospital Medical Center	Adjuvants control protective humoral immunity to intracellular bacteria through IgG Fab sialic acid O-acetylation
BM-86	Pradeepa Jayawardhane	Complex Carbohydrate Research Center, University of Georgia	Exploring the Biosynthesis of Pectic Rhamnogalacturonan I (RG-I) and its Biological Function in Arabidopsis Embryo Development
BM-26	Meredith Johnson	University of Alabama at Birmingham, Department of Surgery	Overexpression of ST6GAL1 in Murine CRC leads to sialylation of GLUT1 and alters Metabolism
BM-33	Aanya Kabra	Harvard Medical School and Massachusetts General Hospital	Reduced Oligosaccharyltransferase Complex and N-Glycoproteins in Human Heart Failure: A Cross-Cohort Analysis
BM-13	Rajan Kandel	University of Georgia	Are N-Linked glycans intrinsically disordered?
BM-45	Aidan Keelaghan	Emory University School of Medicine	Expanding the Substrate Scope of Galactose Oxidase for Chemoenzymatic Glycoconjugate Vaccine Synthesis
BM-73	Trevor Kirby	Research, Nutrition, and Innovation, AG1	Multi-Glycomic Molecular Characterization Reveals a Structurally Diverse, Prebiotic-Associated Carbohydrate Profile in a Foundational Nutrition Supplement
BM-27	Shinobu Kitazume	Department of Clinical Laboratory Sciences, School of Health Sciences, Department of Clinical Laboratory Sciences, School of Health Sciences	HNK-1-Capped PTPRZ as a Diagnostic Biomarker and Therapeutic Target in Glioma
BM-38	Alyssa Kniffin	Division of Genetic and Genomic Medicine, Children's Hospital of Philadelphia	Identification of neurological deficits in PMM2-CDG mouse model recapitulating patient genotype

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BM-5	Weize Kong	The United Graduate School of Agricultural Science, Gifu University	GlycoMsHelper: A High-Confidence Glycomic MS Data Interpretation Workflow
BM-6	Yi Lasanajak	Emory Glycomics and Molecular Interactions Core	The Emory Glycomics and Molecular Interactions Core (EGMIC): Advanced Capabilities in Mass Spectrometry, Glycan Profiling, and Biomolecular Interactions
BM-2	Yi-Chang Liu	Glycogenetics, Inc.	Streamlining the use of human lectins for immunological assays and immunostaining
BM-76	Chang Liu	Department of Pharmacology and Chemical Biology, School of Medicine, Emory University	Investigating neuroglycobiology of Alzheimer's disease using human iPSC-derived neuronal model
BM-77	Brianna Masters	Neuroscience Center, University of North Carolina	Proteomic analysis of O-GalNAc glycans in the Slc35a2-deleted cortex
BM-14	Masaaki Matsubara	The Noguchi Institute	Connecting Diverse Glycan Data through Standardized Representations and Database Integration
BM-83	Shuji Mizumoto	Faculty of Pharmacy, Meijo University	Biochemical characterization of an atypical variant affecting the initiation codon in CHST14 in a patient with musculocontractural Ehlers-Danlos syndrome
BM-7	Varughese Mulamoottil	University of Georgia	Evaluating the Efficiency of Ionic Liquid Matrices as Performance Enhancers for High-Throughput MALDI-MS Glycan Analysis
BM-57	Caitlyn Murray	National Institute of Dental and Craniofacial Reserach	Structure and Biosynthesis of Exopolysaccharides from Prevotella Intermedia
BM-20	Takuma Narita	Department of Urology, Hirosaki University Graduate school of Medicine	Serum N-glycan profiling as a potential biomarker for biopsy-proven rejection after living-donor kidney transplantation
BM-23	Isaac Nathoo	Department of Medicine, New York University Langone Health	Dietary Fructose Directly Fuels N-Linked Glycosylation to Promote Colorectal Cancer Progression
BM-71	Shoko Nishihara	GaLSIC, Soka University	Mucin-type O-glycosylation regulates epithelial morphogenesis through hemocyte-secreted Papilin and JAK/STAT signaling in Drosophila
BM-64	Lea Novak	Department of Microbiology, University of Alabama at Birmingham	Mesangial Immune-complex Deposits of IgA Nephropathy Patients with Mesangial Hypercellularity have Reduced Exposed N-acetylgalactosamine (GalNAc) Residues of Galactose-deficient IgA1
BM-28	Natasha Owitipana	Department of Chemistry and Biochemistry, University of Maryland	Glycan-Directed Chemoenzymatic Synthesis of Homogeneous Antibody–Drug Conjugates with Tunable Drug Loading
BM-15	Mohit Pareek	Department of Biomedical Engineering, University of Mississippi	Computational design of de novo Tn antigen-binding proteins using RFdiffusion and molecular dynamics simulations
BM-81	Neil Patel	Complex Carbohydrate Research Center, University of Georgia	A non-canonical EZH2/TRIM28 epigenetic axis drives heparan sulfate remodeling and melanoma metastasis
BM-65	Dominique Paz	Division of Transfusion Medicine, Mass General Brigham	Glyco-phenotyping reveals glycan signature-distinct populations within the CD8+ T effector memory population
BM-79	José Pires	Center for Glycocalyx Research, University of Copenhagen	Gastric epithelial differentiation shapes mucin expression, glycosylation and mucus properties in human organoid monolayers
BM-47	Olivia Plisko	Department of Biochemistry and Biophysics, University of North Carolina at Chapel Hill	Human milk oligosaccharide degradation by microbial sialidases in the breastfed infant gut microbiome
BM-48	Daniel Propheter	Department of Immunology, The University of Texas Southwestern Medical Center	Adiponectin recognizes bacterial lipopolysaccharide glycans to protect against enteric and systemic infection
BM-34	Karina Ricart	University of Alabama at Birmingham	Hydrogen peroxide mediates high mannose N-glycan expression on red blood cells.
BM-42	Stephanie Salterini	Florida Atlantic University	Synthesis of Sialy-Tn- Modified MUC1 Peptides for Lectin Studies

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BM-54	Jennifer Sanchez	University of Texas Southwestern Medical Center/ Department of Biochemistry	To Fucose or not to Fucose: The divergent glycan recognition of heat-labile enterotoxin and cholera toxin
BM-66	Jeffrey Schneider	Rush University	Desialylation of IgG Enhances Brain and Tissue Delivery in a Humanized Mouse Model
BM-35	Elaine Schumacher	Department of Biochemistry, Medical College of Wisconsin	Sex-Specific Regulation of Placental O-GlcNAc Transferase in Response to Maternal Stress
BM-8	Chiranjeev Sharma	1Department of Medicinal Chemistry, Virginia Commonwealth University	Robust One-Step Method for Sulfation Level Characterization of Sulfated Heparin Oligosaccharides Using Trifluorodiazoethane
BM-84	Misaki Shirai	Department of Environmental Health, Faculty of Pharmaceutical Sciences, Toho University	Hypoxia suppresses vascular endothelial proteoglycan secretion by disrupting the balance of ER-to-Golgi intracellular trafficking
BM-78	Sheridan Smith	UNC-Chapel Hill	SLC35A2 deficiency selectively impairs O-GalNAc glycosylation in the brain of mice and humans with epilepsy
BM-29	Vivek Somasundaram	University of Alabama Birmingham	ST6GAL1 containing extracellular vesicle release is increased after chemoradiation in rectal cancer cell lines
BM-39	David Steen	University of Georgia, Complex Carbohydrate Research Center	Determining Novel Tissue Specific Regulators of O-mannosylation
BM-74	Caden Summers	Department of Biochemistry and Biophysics, Texas A&M University	Collaboration and antagonism between receptor protein tyrosine phosphatases and protein O-mannosyltransferases POMT1/2 in the Drosophila nervous system
BM-43	Emmajay Sutherland	University of Washington	A catch and release strategy for cell surface glycoproteomics with intact glycosite information
BM-30	Laxmi Swami	University of Alabama at Birmingham	Inhibition of ST6Gal2 Suppresses Tumorigenic Behavior in Neuroblastoma Cells
BM-9	Mehrnoush Taherzadeh Ghahfarro	Complex Carbohydrate Research Center (CCRC), University of Georgia	Complementary Distribution of Glycoconjugates Revealed by Multi-Enzyme MALDI Mass Spectrometry Imaging
BM-85	Haruki Takeuchi	Complex Carbohydrate Research Center, University of Georgia	Fucosylated Chondroitin Sulfate Inhibits Heparan-6-O Endosulfatase Function and Melanoma Invasiveness
BM-67	Ajasha Thames	University of Alabama at Birmingham	ST6Gal-I modulates Treg induction and phenotype
BM-72	Alexander Timoshenko	The University of Western Ontario	Cell and molecular biology of tissue-specific galectins
BM-21	Anthony Velazquez Sainz	Translational Glycobiology Institute, Department of Cellular and Molecular Medicine, Herbert Wertheim College of Medicine, Florida International University	Frozen Oral Tissue Glycoproteomics for Cancer Biomarker Discovery
BM-55	Qing Wei	UAB	Altered glycan composition of HIV-1 envelope glycoprotein enables virus escape from broadly neutralizing antibodies
BM-46	Thomas Werfel	University of Mississippi	Glycopolymers enrich less immunogenic nanoparticle protein corona and improve tumor delivery compared to Poly(ethylene glycol)
BM-10	Aman Yadav	Artie McFerrin Department of Chemical Engineering, Texas A&M University	Machine Learning-Assisted Surface-Enhanced Raman Spectroscopy for Quantitative Glycan Analysis
BM-16	Issaku Yamada	The Noguchi Institute	Registered but unreachable: what shared glycan identifiers do not resolve
BM-44	Qing Zhang	Department of Biochemistry, Emory University School of Medicine	Preparative Separation of α2,3- and α2,6-Sialylated N-Glycans via Linkage-Specific Charge Modulation