SFG 2026
ANNUAL MEETING

NOVEMBER
8–11, 2026

ATLANTA, GA

EMORY CONFERENCE CENTER HOTEL
1615 Clifton Road NE
Atlanta, GA 30329



GLYCOBIOLOGY AT THE CROSSROADS:
From Molecular Code to Precision Medicine

SOCIETY for Glycobiology
www.glycobiology.org

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GlyCosmos

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Welcome from the President



Dear Glyco-colleagues and Conference Attendees,

Welcome to Atlanta, and welcome to the 2026 Annual Meeting of the Society for Glycobiology! Whether this is your first SFG meeting or your thirtieth, I am delighted you are here.

From November 8 to 11, leading glycobiologists, emerging scientists, and industry partners from around the world will gather at the Emory Conference Center Hotel for our 53rd annual meeting. As always, we hope it feels like a welcoming, multidisciplinary home: a place to share new findings, spark collaborations, and reconnect with friends and colleagues.

Our theme this year is "*Glycobiology at the Crossroads: From Molecular Code to Precision Medicine.*" Glycans carry information that shapes nearly every biological process, and our field is learning not only to read that code but to translate it into diagnostics and therapies. To reflect this, the program includes dedicated sessions on medicine and clinical glycobiology, alongside sessions on glycans in health and disease, microbial and plant glycobiology, chemical and synthetic glycoscience, emerging technologies, and informatics.

The program captures the breadth and energy of our field. We will hear from 39 keynote speakers across 13 scientific sessions, on topics ranging from structural glycobiology and glycoinformatics to neuroglycobiology, blood cell function, antibody glycosylation, host–microbe interactions, mechanobiology, and women's health. Twenty-five short talks selected from submitted abstracts, along with 173 posters across two poster sessions, round out the scientific program.

I am especially pleased by how prominently early-career scientists feature this year. The short talks are woven directly into the scientific sessions rather than set apart, making up nearly 40 percent of all talks, and Session 3 is devoted entirely to emerging voices. Glycopalooza, our trainee-focused program, also returns with a Trainee Poster Blitz, PI Lab Pitches, and a Trainee and New PI Mixer, all designed to help trainees share their work and build the connections that sustain a scientific career. Glycopalooza is organized by trainees, for trainees, and I thank Leandre Glendenning (chair) and Kathelyn Rosenbalm (co-chair) and other organizers for leading it.

This is also a truly international meeting. Thirty-eight percent of our keynote speakers come from outside the United States, representing institutions in Denmark, the United Kingdom, Japan, Australia, Germany, France, Portugal, Sweden, Korea, and Canada. Thirty-nine percent of our keynote speakers are women, and I am committed to seeing that number continue to grow. Who stands at the podium shapes who can imagine a future in this field, and that remains a priority for the Society.

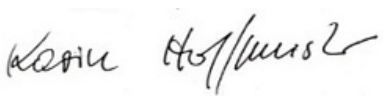
One of the joys of every meeting is honoring colleagues whose work has shaped the glycosciences, and each of our awardees will present a lecture. This year, Hudson Freeze receives the Karl Meyer Lectureship Award, and Nissi and Ajit Varki receive the President's Innovator Award. Recognizing the next generation, Stacy Malaker receives the Glycobiology Significant Achievement Award, sponsored by Oxford University Press. Please join me in congratulating them, along with the 49 graduate students and postdoctoral trainees who received travel awards this year.

Some of the best conversations happen outside the formal sessions, so I hope you will make time for the poster sessions, the "Quo Vadis?" fireside discussions led by Pascal Gagneux, the BioF teaching workshops, and our wellness offerings. Please also visit our sponsors and exhibitors and thank them for their generous support.

Finally, my heartfelt thanks to the 2026 Scientific Program Committee for building such an outstanding program; to our session chairs and award committees; to my fellow SFG Executive Committee Members Malene Ward, Kiyoko Kinoshita, Jennifer Kohler, Fikri Avici, Chad Slawson; to the Board of Directors and our committees for their guidance throughout the year; to Karen Colley, Editor-in-Chief of *Glycobiology*; and to Tangela Williams, Maria Alfaro, Shai Gregory, Amber Thichangthong, the staff of Phoenix Planning Group, and our volunteers for making it all come together. It truly takes a village.

Glycobiology stands at a crossroads, where decades of fundamental discovery are meeting the promise of precision medicine. I hope your week in Atlanta leaves you inspired by the science, energized by new connections, and proud of the community we share.

Welcome, and enjoy the meeting!



Karin Hoffmeister, MD
'26 President, Society for Glycobiology

General Information

Admittance to the Annual Meeting

Registrants are required to wear their badges at all times for access to sessions, exhibits, and conference events. Please ensure your badge is visible during all meeting activities.

Ticketed Events

Certain events, including the Sunday Glyco in Biotechnology workshop, Glycopalooza, and the Dinner Banquet, are not included in the general meeting registration fee and require a separate ticket to attend.

If you registered for any of these events in advance, your name badge will include a special designation indicating your registration and granting you access to the event.

Internet Access

Complimentary Wi-Fi access will be available for attendees in meeting spaces and common areas of the hotel. The Wi-Fi code will be available in the meeting app and at registration.

Parking

Parking is complimentary for all conference attendees. Guests staying at the Emory Conference Center Hotel will have in-and-out parking privileges. Attendees who are not staying at the hotel will need a parking voucher, which can be obtained at the registration desk.

Dress Code

Attire for the Annual Meeting is business casual. Please wear comfortable shoes and dress in layers, as meeting room temperatures may vary.

GlycoWellness

Start your day refreshed, energized, and connected!

Monday–Wednesday | 6:45–7:30 am

- **Monday:** Laughing Yoga
- **Tuesday:** 3K Walk/Run
- **Wednesday:** Meditation

Poster Session Information

NEW THIS YEAR!

Posters will be displayed for **one day** only and will not remain on display for both sessions. Presenters are responsible for setting up and removing their posters on their assigned presentation day.

Monday, November 9 | Poster Session I
Location: Starvine Ballroom

- Poster Setup: 8:00 AM–1:00 PM
- Poster Session: 4:00–5:30 PM
- Poster Removal: By 7:00 PM

Tuesday, November 10 | Poster Session II
Location: Starvine Ballroom

- Poster Setup: 8:00 AM–1:00 PM
- Poster Session: 5:30–7:00 PM
- Poster Removal: Immediately following the session, no later than 7:30 PM

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Registration Hours

Registration Location:
Lullwater Foyer

Sunday, November 8
8:00 am - 6:00 pm

Monday, November 9
7:00 am - 5:30 pm

Tuesday, November 10
7:30 am - 5:30 pm

Wednesday, November 11
7:30 am - 11:00 am

Explore. Connect. Discover.

Visit Our Sponsors!

Please take time to visit the exhibit displays located outside of the Lullwater Ballroom. Exhibits will be open according to the schedule below.

EXHIBIT HOURS

Monday, November 9	Tuesday, November 10	Wednesday, November 11
7:30 am – 4:00 pm	7:30 am – 5:30 pm	7:30 am – 11:00 am

OUR EXHIBITING SPONSORS

Bruker	Glycogenetics, Inc.
CDG Care	Lectenz Bio
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WELCOME TO SFG 2026

Four days of scientific discovery, meaningful connections, and new opportunities for collaboration.

Share ideas.
Inspire discovery.

Thank you for being part of the Society for Glycobiology's 2026 Annual Meeting!

SFG Code of Conduct Statement

The Society for Glycobiology (SFG) is committed to providing a professional, friendly, safe, and welcoming environment for all participants at its annual meeting and other sponsored events.

The Society expects that all participants and speakers will help ensure a safe and positive experience for everyone, regardless of gender, marital status, sexual orientation, disability, race, ethnicity, religion, national origin, or other personal characteristics.

Unacceptable behaviors will not be tolerated during any portion of a Society function and may result in removal from the event and/or loss of membership.

Unacceptable behaviors include, but are not limited to, the following:

- Intimidating, harassing, abusive, discriminatory, derogatory, or demeaning speech or actions by any participant
- Harmful or prejudicial verbal or written comments or visual images related to gender, marital status, sexual orientation, race, religion, disability, or other personal characteristics
- Inappropriate use of nudity and/or sexual images in public spaces (incl presentation slides)
- Deliberate intimidation, stalking, or following
- Harassing photography
- Photographing slides of oral or poster presentations without written permission of presenter
- Recording of scientific and other sessions without written permission of presenter and conference Manager
- Inappropriate disruption of scientific sessions or other events
- Unwelcome and uninvited contact
- Physical assault (including unwelcome touching or groping)
- Real or implied threat of physical harm
- Real or implied threat of professional or financial damage or harm

Persons witnessing or subjected to unacceptable behavior should:

- Contact local authorities immediately to report the incident if behavior is criminal in nature
- Inform SFG leadership (President, Secretary, Treasurer, President-Elect) directly or the Conference Manager, who will then inform SFG leadership, as soon as possible
- Promptly create a detailed, written summary to aid future recall

To the extent possible, information related to reported unacceptable behavior will be handled confidentially, discreetly, and promptly. The SFG believes that home institutions and employers of our event attendees, including research institutions, companies, and other organizations, are best equipped to investigate violations by their faculty members, trainees, employees, or affiliated individuals, and to determine appropriate actions consistent with their employment and academic obligations. SFG leadership will document and refer allegations to an attendee's organization for its review and action. However, attendees who are found by the SFG Executive Committee to have violated this code of conduct will be asked to immediately depart the event at their own expense. At the discretion of the SFG Executive Committee, the attendee may also be subject to loss of Society membership.

SFG Diversity, Equity, and Inclusion Statement

The Society for Glycobiology encourages participation, accessibility, active representation, and leadership from diverse populations. The SfG recognizes that diversity advances all human endeavors, including the field of Glycobiology. Therefore, we encourage membership and participation, regardless of race, ethnicity, national origin, marital status, gender, gender identity, sexual orientation, economic status, disability, age, and religion.

The SfG strives to promote environments and opportunities that are supportive of diverse groups in the interest of advancing glycobiology and all related scientific missions. We also reaffirm SFG's core mission to catalyze the expansion and appreciation of glycobiology and extend a sincere welcome to all who engage with respectful curiosity; you have a home here.

Glycopalooza

Glycopalooza is a dedicated initiative at the Glycobiology Annual Meeting focused on empowering the next generation of scientists through mentoring, career exploration, and community building.

SUNDAY, NOVEMBER 8

12:00–5:45 pm **Trainee & New PI Mixer**

Additional Fee Required

TUESDAY, NOVEMBER 10

12:00–12:45 PM **Trainee Poster Blitz**

Open to everyone

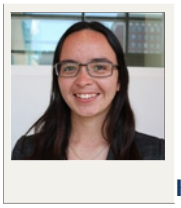
A fast-paced session where trainees deliver brief, high-impact 5-minute overviews of their research.

1:00–1:45 PM **PI Lab Pitches**

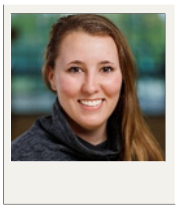
Open to everyone

Principal investigators showcase their research programs, scientific interests, and opportunities for collaboration or employment.

2026 Glycopalooza Committee



Leandre Glendenning



Kate Rosenbalm



Tim Veth



DAY 1 | Sunday, November 8, 2026

8:00 am – 6:00 pm — **Registration Open** — Lullwater Foyer

8:30 am – 11:30 am — **Workshop: Glyco in Biotechnology** — Dogwood

Advance registration required

Parastoo Azadi, PhD, Associate Director, Complex Carbohydrate Research Center

The Glyco in Biotechnology satellite meeting will explore emerging technologies, innovative applications, and future directions in glycoscience and biotechnology. Topics will include glycan engineering, biomarkers, glycan characterization, carbohydrate-based therapeutics, and advances in drug discovery and biopharmaceutical development. Bringing together experts from industry, government, and academia, the meeting will highlight opportunities and challenges in translating glycoscience innovations into diagnostics, therapeutics, and biotechnology applications.

9:00 am – 12:00 pm — **Board Meeting (Board members Only)** — Basswood

12:00 pm – 5:45 pm — **GLYCOPALOOZA: Trainee & New PI Mixer** — Hickory

Advance registration required

Glycopalooza is a dedicated initiative at the Glycobiology Annual Meeting focused on empowering the next generation of scientists through mentoring, career exploration, and community building.

6:00 pm - 7:30 pm — **OPENING SESSION** — Lullwater Ballroom

Presiding: Karin Hoffmeister, SFG President

6:30 pm – 7:00 pm — Lullwater Ballroom



Awardee Lecture: Karl Meyer Award

Dr. Hudson Freeze
Sanford Children's Health Research Center

7:00 pm – 7:30 pm — Lullwater Ballroom



Awardee Lecture:
Glycobiology Significant Achievement Award
Dr. Stacy Malaker
Yale University

7:30 pm – 9:00 pm — **WELCOME & NETWORKING RECEPTION** — Wisteria Lanes

Join us for the Welcome Reception! Reconnect with colleagues, meet new friends, and enjoy an evening of networking as we kick off the SFG 2026 Annual Meeting.

Enjoy complimentary bowling at Wisteria Lanes! Just bring your own socks; bowling shoes will be provided.

8:00 pm – 9:00 pm — **Fireside Discussion** — The Courtyard Patio

Advance registration required

Pascal Gagneux, University of California San Diego Theme: Quo Vadis?

Deep Roots of Glycotools and the Birth of Combinatorial Technology
Join us for a unique, hands-on Fireside Discussion exploring the ancient origins of fiber tools and their connections to modern molecular biology. Discover how early innovations shaped today's science and create a keepsake of your own!

DAY 2 | Monday, November 9, 2026

6:45 – 7:30 am	**Glyco Wellness Class** **Laughter Yoga: The Science and Practice of Laughter** Experience a mind-body practice combining intentional laughter, deep breathing, and gentle movement to reduce stress and support well-being. No sense of humor or yoga experience required.	**Maple**
7:00 am – 8:00 am	**Continental Breakfast**	**Lullwater Foyer**
7:00 am – 5:30 pm	**Registration**	**Lullwater Foyer**
7:30 am – 4:00 pm	**Exhibits Open**	**Lullwater Foyer**

MONDAY'S THEME: Technologies, Systems Glycobiology and Neuroscience

8:00 am – 9:05 am	**SESSION 1:** **Capturing the Glycome: From Structure to Function**	**Lullwater Ballroom**
	Chair: Daniel Kolarich, Griffith University, Australia **Junior Co-Chair:** Priya Dipta, Nagoya University, Japan	
8:00 am – 8:15 am	**Welcome Remarks: Karin Hoffmeister,** Versiti	
8:15–8:35 am	Keynote Speaker: **Daniel Kolarich**, Griffith University, Australia *Making and Marking the Red Cell: Glycosylation in Erythropoiesis and Blood-Group Diversity*	
8:35–8:55 am	Keynote Speaker: **Qi Zhang**, Emory University *Decoding Glycoproteome Remodeling in Alzheimer's Disease Brain*	
8:55–9:00 am	Poster Talk: **Huilin Hao**, University of Georgia *Profiling of O-fucose proteome of POFUT1 and POFUT2 using 6-alkynyl fucose*	
9:00–9:05 am	Poster Talk: **Yi-Chang Liu**, Glycogenetics, Inc. *Streamlining the use of human lectins for immunological assays and immunostaining*	

9:10 am – 10:20 am	**SESSION 2:** **How Carbohydrate Synthesis Informs Glycan Structural Models**	**Lullwater Ballroom**
	Chair: Debra Mohnen, University of Georgia	
9:10–9:30 am	Keynote Speaker: **Debra Mohnen**, University of Georgia *Informing plant cell wall glycan structural models through studies of pectin synthesis - Arabidopsis GALACTURONOSYLTRANSFERASE (GAUT) 1 as a prototype for the "Multiple Pectin Heteroglycan Model" of cell wall architecture*	
9:30–9:50 am	Keynote Speaker: **Clifford Okoye**, University of Georgia *Initiation and Elongation of Pectic Homogalacturonan Synthesis on Rhamnogalacturonan by Glycosyltransferases GAUT13 and GAUT14*	
9:50–9:55 am	Poster Talk: **Pradeepa Jayawardhane**, University of Georgia *Exploring the Biosynthesis of Pectic Rhamnogalacturonan I (RG-I) and its Biological Function in Arabidopsis Embryo Development*	
9:55–10:15 am	Keynote Speaker: **Jochen Zimmer**, University of Virginia School of Medicine *Insights into the formation and architecture of polysaccharide fibrils*	
10:15–10:20 am	Poster Talk: **Teresa Beamon**, University of Alabama at Birmingham *Desmoglein 2 (DSG2) ST6GAL1 Mediated Sialylation Modulates Desmosome Ultrastructure and Strength in CRC*	
10:20 am – 10:35 am	**Morning Break**	**Lullwater Foyer**
10:35 am – 11:45 am	**SESSION 3:** **Emerging Voices in Glycobiology: New Tools, Developmental Biology, and Therapeutic Frontiers**	**Lullwater Ballroom**
	Chair: Ramon Sun, University of Florida	
10:35–10:55 am	Keynote Speaker: **Sizun Jiang**, Beth Israel Deaconess / Harvard Medical School *Don't Panic! A Hitchhiker's Guide to Reading the Glyco-centric Immune System In Situ*	
10:55–11:15 am	Keynote Speaker: **Kim Alonge**, University of Florida *Dynamic remodeling of hypothalamic extracellular matrices in metabolic diseases*	
11:15 –11:20 am	Poster Talk: **Isaac Nathoo**, New York University Langone Health *Dietary Fructose Directly Fuels N-Linked Glycosylation to Promote Colorectal Cancer Progression*	

Session 3 continued on next page

Session 3 Continued — *Lullwater Ballroom*

11:20–11:40 am

Keynote Speaker: **Sean Bendall**, Stanford University

Bottom-Up Organization of Single Cell Human Systems

11:40–11:45 am

Poster Talk: **Ujala Bashir**, University of Gothenburg, Sweden

Beyond the Secretory Pathway: Oncogenic Signalling Regulates Extended Glycosylation in the Nucleus

LUNCH PROVIDED

Dining Room

Pick up your lunch tickets at the registration desk

Lunch will be served in two seating groups. Optional sessions run during both lunch periods, so attendees can participate before or after their scheduled lunch.

LUNCH GROUP	LUNCH TIME
Group 1	11:45 AM–12:30 pm
Group 2	12:45–1:30 pm

OPTIONAL SESSIONS

Room: Azalea

Teaching Glyco Workshop: Interactive Teaching Resources from BioF:GREAT

Megna Tiwari and Erin Dolan
BioF:GREAT

Same workshop offered twice; participation is optional.

- **11:45 AM–12:30 PM**
- **12:45–1:30 pm**

Interested in bringing glycobiology into your teaching? Explore BioF:GREAT's evidence-based teaching resources through an interactive case study and discuss ways to adapt them for undergraduate, professional, and other educational settings.

THANK YOU TO OUR:

2026 Scientific Organizing Committee

CHAIR
Karin Hoffmeister
Versiti

CO-CHAIR
Jennifer Kohler
UT Southwestern Medical Center

Jennifer Curtis
Georgia Institute of Technology

Morihisa Fujita
Gifu University

Pascal Gagneux
University of California, San Diego

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University of Georgia

Heyu Ni
University of Toronto

Stephanie Olivier-Van Stichelen
Medical College of Wisconsin

Sean Stowell
Brigham and Women's Hospital / Harvard Medical School

Ramon Sun
University of Florida

Eric Sundberg
Emory University

Hans Wandall
University of Copenhagen

DAY 2 | Monday, November 9, 2026

1:30 pm – 2:40 pm — SESSION 4: Glycobioinformatics & Systems Glycobiology — Lullwater Ballroom

Chair: Morihisa Fujita, Gifu University

1:30–1:50 pm
Keynote Speaker: **Morihisa Fujita**, Gifu University
From Systems-Level Glycan Pathway Analysis to Cellular Engineering of Human Milk Oligosaccharide Biosynthesis

1:50–1:55 pm
Poster Talk: **Neil Patel**, University of Georgia
A non-canonical EZH2/TRIM28 epigenetic axis drives heparan sulfate remodeling and melanoma metastasis

1:55–2:15 pm
Keynote Speaker: **Yoshiki Narimatsu**, University of Copenhagen
Engineering Cell-Based Platforms to Decode Glycan Recognition and Host-Microbe Interactions

2:15–2:20 pm
Poster Talk: **José Pires**, University of Copenhagen
Gastric epithelial differentiation shapes mucin expression, glycosylation and mucus properties in human organoid monolayers

2:20–2:40 pm
Keynote Speaker: **Kiyoko Aoki-Kinoshita**, Soka University
Federated Data, a National Glycome Atlas, and Agentic AI: Layers of Infrastructure for Systems Glycobiology

2:45 pm – 3:55 pm — SESSION 5: Neuroglycobiology: Brain Glycans in Development and Disease — Lullwater Ballroom

Chair: Robbie Mealer, University of North Carolina at Chapel Hill
Junior Co-Chair: Chang Liu, Emory University

2:45–3:05 pm
Keynote Speaker: **Robbie Mealer**, University of North Carolina at Chapel Hill
Protein O-GalNAc glycosylation in brain development and disease

3:05–3:10 pm
Poster Talk: **Caden Summers**, Texas A&M University
Collaboration and antagonism between receptor protein tyrosine phosphatases and protein O-mannosyltransferases POMT1/2 in the Drosophila nervous system

3:10–3:30 pm
Keynote Speaker: **Boyoung Lee**, Institute for Basic Science of Korea
O-Glycan Sialylation as a Novel Molecular Mechanism Underlying Depressive-Like Behaviors

Session 5 Continued on Next Page

Session 5 Continued — *Lullwater Ballroom*

3:30–3:35 pm

Poster Talk: **Jeffery Fairley**, University of Georgia
Investigating the Downstream Effects of O-GlcNAc Transferase (OGT) in X- Linked Intellectual Disability

3:35–3:55 pm

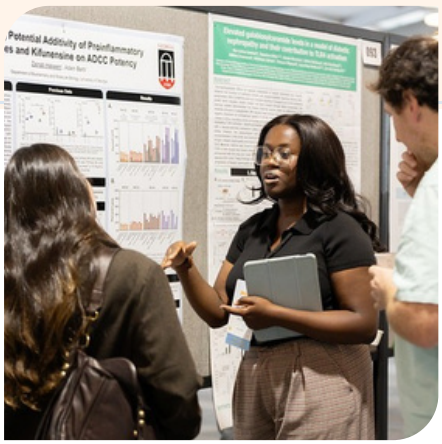
Keynote Speaker: **Sophia Shi**, The Rowland Institute at Harvard
Glycocalyx Regulation of the Blood–Brain Barrier

4:00 pm – 5:30 pm — **Starvine Ballroom**

POSTER SESSION I

Theme: Mechanisms & Technology

Join us to explore new findings, exchange ideas, and support the next generation of glycobiologists.



5:30 pm – 6:00 pm — **Lullwater Ballroom**



President's Innovator Award Lecture

Ajit Varki & Nissi Varki,
University of California San Diego

6:00 pm – 7:00 pm — **The Courtyard Patio**

Fireside Discussion II

Advance registration required

Pascal Gagneux, University of California San Diego

Deep Roots of Glycotools and the Birth of Combinatorial Technology

Join us for a unique, hands-on Fireside Discussion exploring the ancient origins of fiber tools and their connections to modern molecular biology. Discover how early innovations shaped today's science and create a keepsake of your own!

7:00 pm

Dinner on Your Own







DAY 3 | Tuesday, November 10, 2026

6:45 am – 7:30 am	**3K Walk-for-Glyco** Join fellow attendees for a 3K walk as part of the GlycoWellness activities.	**Maple**
7:00 am – 8:00 am	**Continental Breakfast**	
7:30 am – 5:30 pm	**Registration**	**Lullwater Foyer**
7:30 am – 5:30 pm	**Exhibit Time**	**Lullwater Foyer**

TUESDAY'S THEME: Glycans in Development, Evolution, and Precision Medicine

8:00 am – 9:10 am — **Lullwater Ballroom**

SESSION 6:
Glycans in Evolution and Reproduction: Can Life Evolve Without Sugar Codes?

Chair: Pascal Gagneux, University of California San Diego
Junior Co-Chair: Alejandro Roisman, Versiti

8:00–8:20 am	Keynote Speaker: **Pascal Gagneux**, University of California San Diego *Patterning of Cellular Life via Sugar Coates?*
8:20–8:25 am	Poster Talk: **Iain Wilson**, Universität für Bodenkultur *A tale of two insects: N-glycomics of the fruit fly and the silkworm*
8:25–8:45 am	Keynote Speaker: **Anne Harduin-Lepers**, Université de Lille, France *Diversity and Evolution of the Vertebrate Sialyltransferase Repertoire*
8:45–8:50 am	Poster Talk: **Ratmir Derda**, University of Alberta *Biological recognition of mirror image glycans*
8:50–9:10 am	Keynote Speaker: **Petar Pajic**, Yale University *Ancient MUC1 repeat expansion links mucus barrier defense to pleiotropic tradeoffs*



DAY 3 | Tuesday, November 10, 2026

9:15 am – 10:25 am	**SESSION 7: From Glycocode to Precision Oncology**	**Lullwater Ballroom**
	Chair: Hans Wandall, University of Copenhagen/Denmark **Junior Co-Chair:** Neil G. Patel, University of Georgia	
9:15–9:35 am	Keynote Speakers: **Hans Wandall**, University of Copenhagen/Denmark and **Celso Reis,** University of Porto / Portugal *Targeting glycosylation for precision oncology*	
9:35–9:55 am	Keynote Speaker: **Robert Manguso**, Broad Institute, Krantz Family Center for Cancer Research, Mass General Brigham Cancer Institute *CD43 is a glyco-immune checkpoint for anti-leukemic immunity*	
9:55–10:00 am	Poster Talk: **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*	
10:00–10:20 am	Keynote Speaker: **Vered Padler-Karavani**, Tel AVIV University, Israel *Targeting glycans in health and disease*	
10:20–10:25 am	Poster Talk: **Mathieu Decloquement**, University of Alberta *Deciphering Siglec ligands in cancer to improve immunotherapy*	
10:25 am – 10:45 am	**Morning Break**	**Lullwater Ballroom**
10:45 am – 11:55 am	**SESSION 8: Glycans in Blood Cell Function**	**Lullwater Ballroom**
	Chair: Heyu Ni, University of Toronto/Canada **Junior Co-Chair:** Dianne van Der Wal, University of Sydney	
10:45–11:05 am	Keynote Speaker: **Heyu Ni**, University of Toronto/Canada *Platelet desialylation and immune response: Novel mechanisms of immune thrombocytopenia and therapeutic targets*	
11:05–11:25 am	Keynote Speaker: **Dianne van Der Wal**, University of Sydney *Of mice of men; The feedback of glycans in platelet activation and extracellular vesicle release-Implications for Transfusion.*	
11:25–11:30 am	Poster Talk: **Natalia Weich**, Versiti Blood Research Institute *Nascent pre-platelets and B4GALT1 glycosylation contribute to 5-FU–induced bone marrow recovery*	
11:30 am–11:50 am	Keynote Speaker: **Alejandro Roisman**, Versiti Translational Glycomics Center *Glycosylation Orchestrates Megakaryocytic Fate of Hematopoietic Stem Cells via Wnt-MUC13 Signaling*	
11:50–11:55 am	Poster Talk: **Adam Knier,** Medical College of Wisconsin *O-GlcNAcylation Regulates ACTH Secretion in Corticotroph Adenoma*	

DAY 3 | Tuesday, November 10, 2026

LUNCH PROVIDED
Dining Room

Pick up your lunch tickets at the registration desk

Lunch will be served in two seating groups. Optional sessions run during both lunch periods, so attendees can participate before or after their scheduled lunch.

LUNCH GROUP	LUNCH TIME
Group 1	12:00–12:45 pm
Group 2	1:00–1:45 pm

OPTIONAL SESSIONS
Room: Oak Amphitheatre

12:00–12:45 pm

Trainee Poster Blitz

A fast-paced session where trainees deliver brief, high-impact 5-minute overviews of their research.

1:00–1:45 pm

PI Lab Pitches

A rapid-fire session where principal investigators showcase their research programs, scientific interests, and opportunities for collaboration or employment.

1:45 pm – 2:55 pm — SESSION 9: Mechanobiology of Glycans: Molecular Mechanics to Cell Function
Lullwater Ballroom

Chair: Jennifer Curtis, Georgia Tech

1:45–2:05 pm — Keynote Speaker: **Khalid Salaita, Emory University**
How the Mucin Glycocalyx Physically Rewires Adhesion Mechanotransduction

2:05–2:10 pm — Poster Talk: **Sonal Mahajan, Sanford Burnham Prebys**
COG4-Associated Golgi Dysfunction Impairs Proteoglycan-Rich Matrix Assembly in Patient iPSC-Derived Cartilage Organoids from Saul-Wilson Syndrome

2:10–2:30 pm — Keynote Speaker: **Ralf Richter, University of Leeds/United Kingdom**
Glycosaminoglycans in cell adhesion and trafficking

2:30–2:35 pm — Poster Talk: **Petar Hristov, Harvard University**
Intact and single-molecule analysis of heparan sulfate

2:35–2:55 pm — Keynote Speaker: **Jennifer Curtis, Georgia Tech**
The Glycocalyx Sweet Spot: Hyaluronan Homeostasis and the Control of Cell Adhesion



2:55 pm – 4:00 pm — **SESSION 10:** — **Lullwater Ballroom**

Antibody Glycosylation: How Sugars Control the Immune System

Chair: Eric Sundberg, Emory University School of Medicine
Junior Co-Chair: Adam Knier, Medical College of Wisconsin

2:55–3:15 pm — Keynote Speaker: **Jeffrey Ravetch**, Rockefeller University
IgG Fc glycosylation modulates innate and adaptive immunity

3:15–3:35 pm — Keynote Speaker: **Taia Wang**, Stanford University
Antibody Glycosylation as a Regulator of Immune Function

3:35–3:40 pm — Poster Talk: **Rajindra Aryal**, BIDMC, 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

3:40–4:00 pm — Keynote Speaker: **Diego Emiliano Sastre**, Emory University
Engineered endoglycosidases selectively target afucosylated IgG and suppress pathogenic antibody effector functions

4:00 – 4:20 pm — **Afternoon Break** — **Lullwater Foyer**

4:20 pm – 5:30 pm — **SESSION 11:** — **Lullwater Ballroom**

Microbe–Host Interactions via Glycans

Chair: Sean Stowell, Harvard Medical School
Junior Co-Chair: Aastha Acharya, University of Delaware

4:20–4:40 pm — Keynote Speaker: **Connie Arthur**, Harvard Medical School
Regulation of Naturally Occurring Anti-ABO Antibody Formation

4:40–4:45 pm — Poster Talk: **Aaron Petrey**, University of Utah
The C-type Lectin and Hyaluronan Receptor Layilin Regulates IL10 Signaling in Macrophages

4:45–5:05 pm — Keynote Speaker: **Fu-Tong Liu**, USC
Intracellular galectins in host-microbe interaction through binding cytosolically exposed host or microbial glycans

5:05–5:25 pm — Keynote Speaker: **Richard Cummings**, Harvard/Beth Israel
Anti-Glycan Immune Responses in Microbial Infections: Implications for Health and Autoimmunity

5:25–5:30 pm — Poster Talk: **Daniel Propheter**, The University of Texas Southwestern Medical Center
Adiponectin recognizes bacterial lipopolysaccharide glycans to protect against enteric and systemic infection

DAY 3 | Tuesday, November 10, 2026

5:30 pm – 7:00 pm — **POSTER SESSION II** — **Starvine Ballroom**

Theme: Translational & Clinical

The discoveries continue! Connect with students and postdoctoral fellows as they share their latest research and innovative contributions to glycobiology.



7:30 pm – 10:00 pm — **Banquet Dinner** — **Silverbell**

Additional Fee Required

DAY 4 | Wednesday, November 11, 2026

6:45 am – 7:30 am — **Glyco Wellness Class** — **Maple**

Meditation: Cultivating a Calm and Focused Mind
Explore simple meditation practices designed to cultivate calm, clarity, and focus while providing practical techniques for managing stress.

7:00 am – 8:00 am — **Continental Breakfast** — **Lullwater Foyer**

7:30 am – 11:00 am — **Registration** — **Lullwater Foyer**

7:30 am – 11:00 am — **Exhibits Open** — **Lullwater Foyer**

WEDNESDAY THEME: Reading the Glycome: New Frontiers in Biosynthesis and Reproduction

8:00 am – 9:10 am — **SESSION 12: Unexpected events in glycoconjugate biosynthesis** — **Lullwater Ballroom**

Chair: Jennifer Kohler, UT Southwestern Medical Center
Junior Co-Chair: Emmajay Sutherland, University of Washington

8:00–8:20 am

Keynote Speaker: **Yasuhiko Kizuka**, Gifu University/Japan
Lectin domain-mediated regulation of glycosyltransferases for N-glycan branching and LacdiNAc biosynthesis

8:20–8:40 am

Keynote Speaker: **Mandi (Mengxiao) Ma**, Stanford University
Regulated N-glycosylation controls chaperone function and receptor trafficking

Session 12 continued on next page

Session 12 Continued — *Lullwater Ballroom*

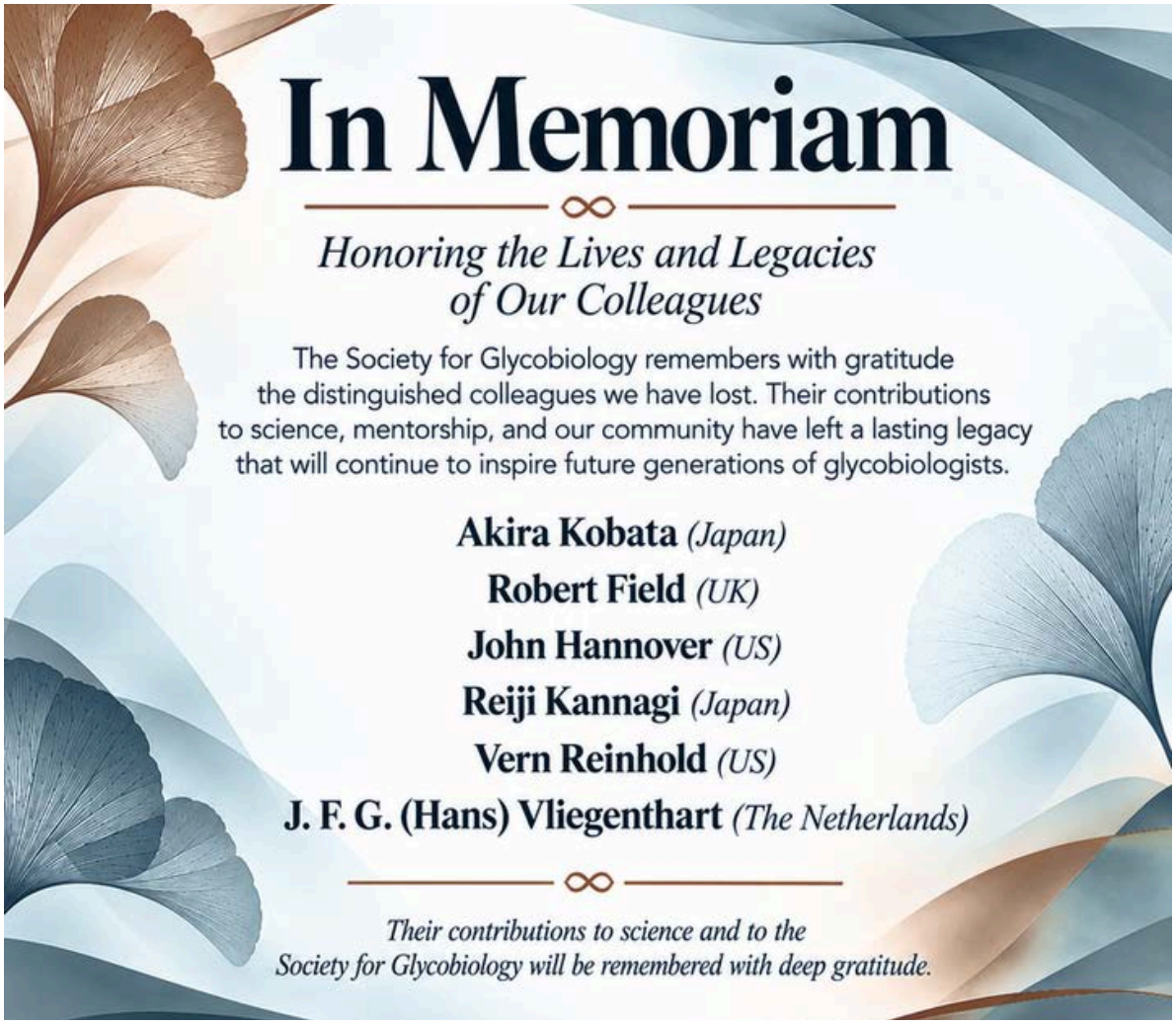
8:40–8:45 am	Poster Talk: **Ke Wang**, University of Utah *Programmable Glycocalyx Engineering Reveals Glycodomain Control of MUC1 Signaling and Dimerization*
8:45–9:05 am	Keynote Speaker: **Daniel Bojar**, Gothenburg University/Sweden *Dirt Is Matter Out Of Place: Glycobiology Goes Nuclear*
9:05–9:10 am	Poster Talk: **Dahai Ding**, University of Georgia *Red Blood Cell Surface Engineering for Influenza Hemagglutination Using Synthetic Sialylated N-Glycans*

9:10 am – 10:20 am — SESSION 13: Glycobiology in Women's Health: The Sugar Code of Reproductions — Lullwater Ballroom

Chair: Stephanie Olivier-Van Stichelen, Medical College of Wisconsin
Junior Co-Chair: Mathieu Decloquement, University of Alberta

9:10–9:30 am	Keynote Speaker: **Stephanie Olivier-Van Stichelen**, Medical College of Wisconsin *The Role of Intracellular Glycosylation in Placental Metabolic Adaptation During Pregnancy*
9:30–9:50 am	Keynote Speaker: **Aubrey Converse**, Northwestern University *Age-associated disruption of the hyaluronan matrix impairs cumulus-oocyte complex expansion and ovulation*
9:50–9:55 am	Poster Talk: **Sridevi Krishnan**, University of Arizona *Glycogene-Specific Polygenic Risk Score Predicts Glycemia in Type 2 Diabetes And Is Modified By Nutrient Exposure*
9:55–10:15 am	Keynote Speaker: **Virginia Tajadura-Ortega**, Imperial College London *Host glycan and mucin interactions with the vaginal microbiota associated with preterm birth*
10:15–10:20 am	Poster Talk: **Olivia Plisko**, University of North Carolina at Chapel Hill *Human milk oligosaccharide degradation by microbial sialidases in the breastfed infant gut microbiome*
10:20–10:30 am	**Morning Break** — Lullwater Foyer

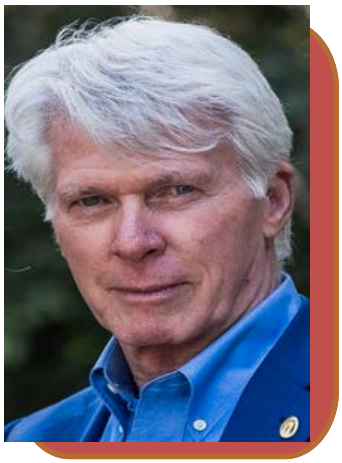
10:30 – 11:00 am	**Rosalind Kornfeld Award Lecture — Honoring Our Colleagues in Glycobiology**	Lullwater Ballroom
11:00– 11:30 am	**TRAINEE/POSTER AWARDS**	Lullwater Ballroom
11:30 am – 12:30 pm	**BUSINESS MEETING & CLOSING** All members are encouraged to attend the Member Business Meeting and share their input on current Society matters. This open forum provides an opportunity for members to offer feedback, ask questions, and participate in discussions about the Society's future.	Lullwater Ballroom



2026 SOCIETY FOR GLYCOBIOLOGY AWARDS

Karl Meyer Lectureship Award

Hudson “Hud” H. Freeze



The Karl Meyer Lectureship Award was established in 1990 to honor the distinguished career of Karl Meyer and his outstanding contributions to the field of Glycobiology. This international award is given to well-established scientists with currently active research programs who have made widely recognized major contributions to the field of Glycobiology.

Dr. Hudson "Hud" H. Freeze credits great mentors for guiding his journey from a small Indiana railroad town to a prolific career in glycobiology. His scientific impact began early. In 1966, as an undergraduate at Indiana University working with microbiologist Thomas Brock, Freeze collected samples from Yellowstone National Park's Mushroom Hot Spring. He successfully isolated the extreme thermophile Thermus aquaticus (Taq). This foundational discovery eventually yielded Taq polymerase, the crucial heat-resistant enzyme that powered the development of the Polymerase Chain Reaction (PCR) and revolutionized modern genetics.

At the University of California, San Diego (UCSD), Freeze studied the carbohydrate nature of the "slime sheath" of Dictyostelium discoideum alongside Bill Loomis and Randy Dimond. This work uncovered lysosomal enzymes containing a unique phosphodiester link (N-acetylglucosamine-α-1-P-Serine and Mannose-6-P-OCH3 on different lysosomal enzymes, a critical steppingstone to his subsequent research on mammalian lysosomal enzymes, mammalian sulfated glycans, and rare lysosomal storage disorders like I-cell disease. He continued this track through post-doctoral work and an Adjunct Faculty position at UCSD, collaborating closely with Stuart Kornfeld, Arnold Miller, and Ajit Varki.

In 1988, Dr. Freeze joined the expanding glycobiology program at the La Jolla Cancer Research Foundation (now the Sanford Burnham Prebys Medical Discovery Institute). Today, he serves as Professor of Glycobiology and Director of the Sanford Children’s Health Research Center. For over 30 years, his laboratory has focused on defining and understanding Congenital Disorders of Glycosylation (CDG). His team has discovered and characterized more than 30 human CDG types, significantly expanding our understanding of heritable genetic diseases.

Notably, Freeze developed the first treatment for a child with a phosphomannose isomerase deficiency (CDG-Ib) based on oral mannose supplementation. He also helped pioneer oral fucose dietary therapy for leukocyte adhesion deficiency. Partnering with the NIH Undiagnosed Diseases Program and Network, his lab has diagnosed roughly 275 CDG patients.

Beyond research, Freeze is renowned for his deep humanitarian commitment, working closely with groups like the CDG Family Network Foundation and CDG CARE to educate clinicians and support families. He has published over 350 scientific articles, served as an author and editor for Essentials of Glycobiology, and won the 2013 Golden Goose Award. A foundational leader in his field, Dr. Freeze served as President of the Society for Glycobiology (2012), President of FASEB, and received the prestigious Rosalind Kornfeld Award in 2016.

2026 SOCIETY FOR GLYCOBIOLOGY AWARDS

Glycobiology Significant Achievement Award

Stacy Malaker, PhD



The Glycobiology Significant Achievement Award is given annually by Oxford University Press (publisher of Glycobiology) to honor new or mid-career scientists who have made key discoveries in their careers with the potential to have a substantial impact on the glycoscience community.

Oxford is delighted to present the 2026 Glycobiology Significant Achievement Award to Dr. Stacy Malaker. Stacy is a first-generation college student who grew up in metropolitan Detroit. She completed her undergraduate studies, earning degrees in biochemistry and anthropology-zoology at the University of Michigan, while also working two jobs—one at a bulk grocery store (where she won "Stocker of the Year") and the other in a peptide synthesis core facility where she used mass spectrometry for quality control. She went on to earn a Ph.D. in chemistry at the University of Virginia in the laboratory of Dr. Donald Hunt. Dr. Malaker completed her postdoctoral training in the laboratory of Dr. Carolyn Bertozzi (Stanford University) and then went on to establish her own laboratory at Yale University in 2021. Her laboratory focuses on developing novel mass spectrometry approaches and chemical glycobiology tools to dissect mucin-domain glycoproteins and understand the broader implications of the glycocode.

During her postdoc, Dr. Malaker performed seminal work identifying and characterizing enzymes that recognize and cleave proteins at sites where they are O-glycosylated. This discovery advanced the field by enabling the identification of proteins that are modified with these O-glycans and the mapping of specific sites of glycosylation. Prior to this discovery, it was difficult or impossible to identify many O-linked glycoproteins, making assessments of the biological roles of O-glycosylation challenging at best.

Within her own laboratory, Dr. Malaker identified and characterized additional mucinases with unique abilities to detect and cleave O-glycoproteins, expanding the mapping of O-glycosites.

These tools enabled complete O-glycoproteomic mapping of the T-cell immunoglobulin and mucin-domain-containing (TIM) family of proteins (a class of checkpoint inhibitors), allowing a better understanding of how O-glycans influence the structure and function of these key immunological proteins. In addition to these enzymatic tools, she has developed several enrichment and separation techniques to enhance glycopeptide detection and has also optimized various search algorithms used in glycoproteomic analysis.

Her most recent work has focused on developing combined MALDI-MS and LC-MS approaches to map mucins, highly O-glycosylated proteins that are associated with the development and progression of many different types of cancer. Mapping mucins has heretofore been nearly impossible given their heavily glycosylated, repetitive regions rich in threonine and serine. However, Dr. Malaker's work has resulted in the near-complete mapping of MUC2, the major mucin that lines and protects our intestinal system. This coupled MS approach revealed a striking stratification of different glycoforms in different regions of two colorectal mucinous adenocarcinomas. These approaches have advanced the field of mucin biology well beyond what was previously thought possible.

In addition to revolutionizing approaches to detect and map O-glycoproteins, Dr. Malaker's laboratory is actively investigating the biological impact of O-glycosylation, with recent work in mucosal biology, immunology and inflammatory disease. Her work has been published in Cell, PNAS, Molecular Cell, Nature Communications, Nature Methods and Analytical Chemistry. Thus, her research has served to democratize the field as well as open new areas of investigation into the biological roles of O-glycoproteins.

2026 SOCIETY FOR GLYCOBIOLOGY AWARDS

President's Innovator Award

Ajit Varki

The Society for Glycobiology President's Innovator Award acknowledges the contributions of scientists each year who have made a significant impact on society. The 2026 President's Innovator Award will be presented to Drs. Ajit and Nissi Varki, internationally recognized leaders in glycoscience.



Ajit Varki is a Distinguished Professor in the Departments of Cellular & Molecular Medicine and Medicine at the University of California San Diego. He earned his medical degree at Christian Medical College, Vellore, before training in Internal Medicine, at the University of Nebraska, and then Hematology, and Oncology at the Washington University School of Medicine, where a postdoctoral fellowship with Stuart Kornfeld set the course of his career in Glycobiology.

Ajit Varki's laboratory has spent four decades defining the biology of sialic acids and their roles in health, disease, and human evolution. He co-discovered and named the Siglec family of sialic acid-binding immune receptors, and his identification of the human CMAH pseudogene provided the first known genetic difference between humans and chimpanzees - the loss of the ability to synthesize the sialic acid Neu5Gc. That finding opened a research program linking dietary Neu5Gc incorporation to chronic inflammation and cancer risk, work that has reshaped how the field thinks about human-specific glycobiology and disease susceptibility.

Beyond the bench, Varki has been an institution-builder and a repeat innovator in scientific publishing. As founding editor of Essentials of Glycobiology, he created the first major open-access biomedical textbook, freely available through the NCBI Bookshelf.

As Editor-in-Chief of the Journal of Clinical Investigation (1992–1997), he made it the first major biomedical journal freely available online, years ahead of the broader open-access movement. He is founding director of UCSD's Glycobiology Research and Training Center and founding co-director of the Center for Academic Research and Training in Anthropogeny (CARTA), a joint UCSD–Salk Institute program applying comparative and evolutionary approaches to human origins.

His contributions have been recognized with the Society for Glycobiology's Karl Meyer Award (2005) and Rosalind Kornfeld Award for Lifetime Achievement (2020), the International Glycoconjugate Organization Award (2007), the Herbert Tabor Research Award, and election to the National Academy of Medicine and the American Academy of Arts and Sciences. He has served as President of both the Society for Glycobiology and the American Society for Clinical Investigation.

With the 2026 President's Innovator Award, the Society recognizes a career defined as much by what Ajit Varki built, with open scientific infrastructure, training centers, and entire lines of inquiry, as by his unique scientific discoveries.

2026 SOCIETY FOR GLYCOBIOLOGY AWARDS

President's Innovator Award

Nissi Varki



The Society for Glycobiology President's Innovator Award acknowledges the contributions of scientists each year who have made a significant impact on society. The 2026 President's Innovator Award will be presented to Drs. Ajit and Nissi Varki, internationally recognized leaders in glycoscience.

Nissi Varki is a Professor of Pathology at the University of California San Diego School of Medicine, where she directs the Histopathology/Mouse Phenotyping Division of the Comparative Phenotyping Core. She earned her medical degree at Christian Medical College, Vellore, India, trained in Anatomic and Clinical Pathology with residencies at Creighton University and in St. Louis, and completed postdoctoral fellowships in tumor immunology at Washington University in St. Louis and the Research Institute of Scripps Clinic. She served as Assistant Professor in Residence in UCLA's Department of Pathology before joining UC San Diego in 1985.

Dr. Nissi Varki' s initial research, funded by the National Cancer Institute, was the study of cancer metastasis using athymic mouse models, and generating and using monoclonal antibodies in lung cancer. She played key roles in characterizing antibodies against tumor-associated gangliosides, which are now being used to treat childhood neuroblastomas. Her background and expertise thus led her to direct the activities of at least four histopathology core laboratories at UC San Diego, allowing the analysis of genetically engineered mouse models of human disease, and foray into comparative pathology. She used innovative techniques to upgrade standard immunohistochemical and histological methods, which allowed the detection and the mapping of various glycans and glycan-binding proteins.

Some of these studies were done in collaboration with Ajit Varki, and a few with other scientists and glycobiologists who needed the detailed histopathological expertise.

She teaches histology and pathology to first- and second-year medical students and has guided numerous undergraduate students on their path to health care careers. She maintains the website: mousepheno.ucsd.edu which was created based on the lectures in the elective course she started at UC San Diego: "Practical Histopathology in Mouse Models of Human Disease." For three decades, she has also served on the School of Medicine's Recruitment and Admissions Executive Committee.

With the 2026 President's Innovator Award, shared with Ajit Varki, the Society for Glycobiology recognizes a career built as much on infrastructure and innovative methods, as on discovery: the accessible core facilities, and ready consultation with detection tools, made the continuation of individualized glycobiology research possible.

Travel Award Recipients

The Society for Glycobiology's Student Travel Awards are given to help students and postdoctoral fellows gain the experience and exposure that comes from attending and presenting at SFG conferences.

Aastha Acharya
University of Delaware

Adeela Ali
Emory University

Collin Ballard
Beth Israel Deaconess Medical Center / Harvard Medical School

Ujala Bashir
University of Gothenburg

Teresa Beamon
University of Alabama at Birmingham

Alexander Carbonell
University of Florida

Grace Carlson
Case Western Reserve University

Sydney D'Amaddio
University of North Carolina at Chapel Hill

Bruno da Costa Rodigues
University of Kansas Medical Center

Mathieu Decloquement
University of Alberta

Elif Sena Demir
Emory University

Dahai Ding
University of Georgia

Sarah Dohadwala
Boston University

Jeffery Fairley Jr.
University of Georgia

Nathan Gonsalves
University of Georgia

Daniela Gonzalez Pinero
Cincinnati Children's Hospital Medical Center

Barnita Haldar
University of Alabama at Birmingham

Adam Hannon-Hatfield
Emory University

Huilin Hao
University of Georgia

Aminul Islam
Cincinnati Children's Hospital Medical Center

Rajan Kandel
University of Georgia

Eiichi Kato
University of Fukui

Adam Knier
Medical College of Wisconsin

Alyssa Kniffin
Children's Hospital of Philadelphia

Weize Kong
Gifu University

Yun Li
Emory University

Sean Louzon
Children's Hospital of Philadelphia

Sonal Mahajan
Sanford Burnham Prebys

Brianna Masters
University of North Carolina at Chapel Hill

Mohit Pareek
University of Mississippi

Sangwoo Park
Harvard Medical School / Massachusetts General Hospital

Anitha Parthiban
University of Alabama at Birmingham

Dominique Paz
Mass General Brigham

Ashley Rogers
University of Georgia

Katelyn Rosenbalm
Versiti Blood Research Institute

Stephanie Salterini
Florida Atlantic University

Jennifer Sanchez
UT Southwestern Medical Center

Baudrul Mohammad Shahjalal
University of Mississippi

Vivek Somasundaram
University of Alabama at Birmingham

Jihye Son
University of Florida

David Steen Jr.
University of Georgia

Caden Summers
Texas A&M University

Sonali Sunsunwal
University of Georgia

Emmajay Sutherland
University of Washington

Mehrnoush Taherzadeh Ghahfarrokhi
University of Georgia

Haruki Takeuchi
University of Georgia

Hallie Trial
Massachusetts Institute of Technology

Nancy V Vela Navarro
Florida Atlantic University

Siyu Wang
Case Western Reserve University

KEYNOTE SPEAKERS



Kim Alonge, PhD

University of Florida

Dynamic remodeling of hypothalamic extracellular matrices in metabolic diseases

SESSION 3: Emerging Voices in Glycobiology: New Tools, Developmental Biology, and Therapeutic Frontiers
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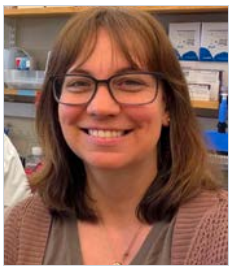


Kiyoko Aoki-Kinoshita, PhD

Soka University

Federated Data, a National Glycome Atlas, and Agentic AI: Layers of Infrastructure for Systems Glycobiology

SESSION 4: Glycobioinformatics & Systems Glycobiology
Program page: 12



Connie Arthur, PhD

Harvard Medical School

Regulation of Naturally Occurring Anti-ABO Antibody Formation

SESSION 11: Microbe–Host Interactions via Glycans
Program page: 17



Sean Bendall, PhD

Stanford University

Bottom-Up Organization of Single Cell Human Systems

SESSION 3: Emerging Voices in Glycobiology: New Tools, Developmental Biology, and Therapeutic Frontiers
Program page: 11

KEYNOTE SPEAKERS



Daniel Bojar, PhD

Gothenburg University / Sweden

Dirt Is Matter Out Of Place: Glycobiology Goes Nuclear

SESSION 12: Unexpected events in glycoconjugate biosynthesis
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Aubrey Converse, PhD

Northwestern University

Age-associated disruption of the hyaluronan matrix impairs cumulus-oocyte complex expansion and ovulation

SESSION 13: Glycobiology in Women's Health: The Sugar Code of Reproductions
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Richard Cummings, PhD

Harvard/Beth Israel

Anti-Glycan Immune Responses in Microbial Infections: Implications for Health and Autoimmunity

SESSION 11: Microbe–Host Interactions via Glycans
Program page: 17



Jennifer Curtis, PhD

Georgia Tech

The Glycocalyx Sweet Spot: Hyaluronan Homeostasis and the Control of Cell Adhesion

SESSION 9: Mechanobiology of Glycans: Molecular Mechanics to Cell Function
Program page: 16

KEYNOTE SPEAKERS



Morihisa Fujita, PhD

Gifu University

From Systems-Level Glycan Pathway Analysis to Cellular Engineering of Human Milk Oligosaccharide Biosynthesis

SESSION 4: Glycobioinformatics & Systems Glycobiology
Program page: 12



Pascal Gagneux, PhD

University of California San Diego

Patterning of Cellular Life via Sugar Coates?

SESSION 6: Glycans in Evolution and Reproduction: Can Life Evolve Without Sugar Codes?
Program page: 14



Anne Harduin-Lepers, PhD

Université de Lille, France

Diversity and Evolution of the Vertebrate Sialyltransferase Repertoire

SESSION 6: Glycans in Evolution and Reproduction: Can Life Evolve Without Sugar Codes?
Program page: 14



Sizun Jiang, PhD

Beth Israel Deaconess / Harvard Medical School

Don't Panic! A Hitchhiker's Guide to Reading the Glyco-centric Immune System In Situ

SESSION 3: Emerging Voices in Glycobiology: New Tools, Developmental Biology, and Therapeutic Frontiers
Program page: 10

KEYNOTE SPEAKERS



Yasuhiko Kizuka, PhD

Gifu University / Japan

Lectin domain-mediated regulation of glycosyltransferases for N-glycan branching and LacdiNAc biosynthesis

SESSION 12: Unexpected events in glycoconjugate biosynthesis
Program page: 18



Daniel Kolarich, PhD

Griffith University / Australia

Making and Marking the Red Cell: Glycosylation in Erythropoiesis and Blood-Group Diversity

SESSION 1: Capturing the Glycome: From Structure to Function
Program page: 9



Boyoung Lee, PhD

Institute for Basic Science of Korea

O-Glycan Sialylation as a Novel Molecular Mechanism Underlying Depressive-Like Behaviors

SESSION 5: Neuroglycobiology: Brain Glycans in Development and Disease
Program page: 12



Fu-Tong Liu, MD, PhD

University of Southern California (USC)

Intracellular galectins in host-microbe interaction through binding cytosolically exposed host or microbial glycans

SESSION 11: Microbe–Host Interactions via Glycans
Program page: 17

KEYNOTE SPEAKERS



Mandi (Mengxiao) Ma, PhD

Stanford University

Regulated N-glycosylation controls chaperone function and receptor trafficking

SESSION 12: Unexpected events in glycoconjugate biosynthesis
Program page: 18



Robert Manguso, PhD

Broad Institute
Krantz Family Center for Cancer Research, Mass General Brigham Cancer Institute

CD43 is a glyco-immune checkpoint for anti-leukemic immunity

SESSION 7: From Glycocode to Precision Oncology
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Robbie Mealer, MD, PhD

University of North Carolina at Chapel Hill

Protein O-GalNAc glycosylation in brain development and disease

SESSION 5: Neuroglycobiology: Brain Glycans in Development and Disease
Program page: 12



Debra Mohnen, PhD

University of Georgia

Informing plant cell wall glycan structural models through studies of pectin synthesis - Arabidopsis GALACTURONOSYLTRANSFERASE (GAUT) 1 as a prototype for the "Multiple Pectin Heteroglycan Model" of cell wall architecture

SESSION 2: How Carbohydrate Synthesis Informs Glycan Structural Models
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KEYNOTE SPEAKERS



Yoshiki Narimatsu, PhD

University of Copenhagen

Engineering Cell-Based Platforms to Decode Glycan Recognition and Host-Microbe Interactions

SESSION 4: Glycobioinformatics & Systems Glycobiology
Program page: 12

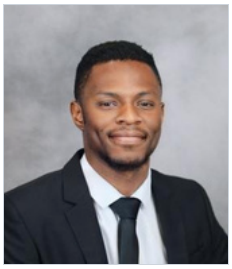


Heyu Ni, MD, PhD

University of Toronto / Canada

Platelet desialylation and immune response: Novel mechanisms of immune thrombocytopenia and therapeutic targets

SESSION 8: Glycans in Blood Cell Function
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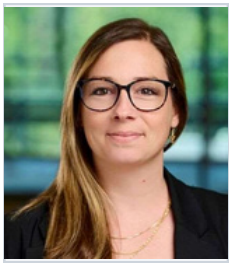


Clifford Okoye

University of Georgia

Initiation and Elongation of Pectic Homogalacturonan Synthesis on Rhamnogalacturonan by Glycosyltransferases GAUT13 and GAUT14

SESSION 2: How Carbohydrate Synthesis Informs Glycan Structural Models
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Stephanie Olivier-Van Stichelen, PhD

Medical College of Wisconsin

The Role of Intracellular Glycosylation in Placental Metabolic Adaptation During Pregnancy

SESSION 13: Glycobiology in Women's Health: The Sugar Code of Reproductions
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KEYNOTE SPEAKERS



Vered Padler-Karavani, PhD

Tel Aviv University, Israel

Targeting glycans in health and disease

SESSION 7: From Glycocode to Precision Oncology
Program page: 15



Petar Pajic, PhD

Yale University

Ancient MUC1 repeat expansion links mucus barrier defense to pleiotropic tradeoffs

SESSION 6: Glycans in Evolution and Reproduction: Can Life Evolve Without Sugar Codes?
Program page: 14



Jeffrey Ravetch, MD, PhD

Rockefeller University

IgG Fc glycosylation modulates innate and adaptive immunity

SESSION 10: Antibody Glycosylation: How Sugars Control the Immune System
Program page:17



Celso Reis, PhD

University of Porto / Portugal

Targeting glycosylation for precision oncology

SESSION 7: From Glycocode to Precision Oncology
Program page: 15

KEYNOTE SPEAKERS



Ralf Richter, PhD

University of Leeds / United Kingdom

Glycosaminoglycans in cell adhesion and trafficking

SESSION 9: Mechanobiology of Glycans: Molecular Mechanics to Cell Function
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Alejandro Roisman, PhD

Versiti Translational Glycomics Center

Glycosylation Orchestrates Megakaryocytic Fate of Hematopoietic Stem Cells via Wnt-MUC13 Signaling

SESSION 8: Glycans in Blood Cell Function
Program page: 15



Khalid Salaita, PhD

Emory University

How the Mucin Glycocalyx Physically Rewires Adhesion Mechanotransduction

SESSION 9: Mechanobiology of Glycans: Molecular Mechanics to Cell Function
Program page: 16



Diego Emiliano Sastre, PhD

Emory University

Engineered endoglycosidases selectively target afucosylated IgG and suppress pathogenic antibody effector functions

SESSION 10: Antibody Glycosylation: How Sugars Control the Immune System
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KEYNOTE SPEAKERS



Sophia Shi, PhD

The Rowland Institute at Harvard

Glycocalyx Regulation of the Blood–Brain Barrier

SESSION 5: Neuroglycobiology: Brain Glycans in Development and Disease
Program page: 13



Virginia Tajadura-Ortega, PhD

Imperial College London

Host glycan and mucin interactions with the vaginal microbiota associated with preterm birth

SESSION 13: Glycobiology in Women's Health: The Sugar Code of Reproductions
Program page: 19



Dianne van Der Wal, PhD

University of Sydney

Of mice of men; The feedback of glycans in platelet activation and extracellular vesicle release-Implications for Transfusion.

SESSION 8: Glycans in Blood Cell Function
Program page: 15



Hans Wandall, MD, PhD

University of Copenhagen / Denmark

Targeting glycosylation for precision oncology

SESSION 7: From Glycocode to Precision Oncology
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KEYNOTE SPEAKERS



Taia Wang, MD, PhD

Stanford University

Antibody Glycosylation as a Regulator of Immune Function

SESSION 10: Antibody Glycosylation: How Sugars Control the Immune System
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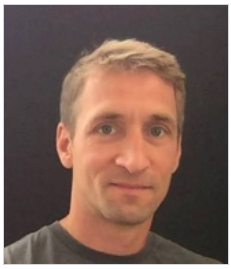


Qi Zhang, PhD

Emory University

Decoding Glycoproteome Remodeling in Alzheimer's Disease Brain

SESSION 1: Capturing the Glycome: From Structure to Function
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Jochen Zimmer, PhD

University of Virginia School of Medicine

Insights into the formation and architecture of polysaccharide fibrils

SESSION 2: How Carbohydrate Synthesis Informs Glycan Structural Models
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THE DATE
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