Fall 2026 Newsletter

AMERICAN CHEMICAL SOCIETY DIVISION OF CARBOHYDRATE CHEMISTRY & CHEMICAL GLYCOBIOLOGY (CARB)

CARBOHYDRATES IN THE NEWS

ANNOUNCEMENTS

The 2027 CARB Division Awards

The ACS Division of Carbohydrate Chemistry honors and recognizes the outstanding contribution of investigators to carbohydrate chemistry or glycomics with regards to education, research, or applications.

Claude S. Hudson Award: Lai-Xi Wang

Dr. Lai-Xi Wang has made pioneering and transformative contributions to carbohydrate chemistry and chemical glycobiology, including advances in the chemoenzymatic synthesis of complex HIV glycopeptide antigens and homogeneous glycoproteins, as well as the development of innovative enabling technologies for antibody glycoengineering and site-specific bioconjugation for functional studies and broad biomedical applications.

Melville L. Wolfrom Award: Nicole L. Snyder

Professor Nicole L. Snyder is a distinguished glycoscientist, a dedicated educator, and a tireless advocate for the field of glycoscience and the Division of Carbohydrate Chemistry and Chemical Glycobiology (CARB). She has mentored ~165

DIVISION OFFICERS

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FUTURE NEWSLETTERS

The Carbohydrate Division Newsletter is published twice a year, just before the two annual National ACS meetings. If you have items for inclusion in future, please send the information to:
Executive Secretary & Newsletter Editor
Jim Janetka: janetkaj@wustl.edu

undergraduate students in her research, many progressing to successful scientific careers. Her international collaborations with German institutions have resulted in significant undergraduate research exchanges. Snyder has held key roles in CARB, organized numerous divisional symposia, and led a wide range of outreach and education efforts within ACS and beyond. She is an outstanding candidate for the Melville L. Wolfrom Award.

Derek Horton Award in Industrial Chemistry: **Peter H. Seeberger**

For pioneering the invention and commercialization of automated glycan assembly that transforms synthetic carbohydrate chemistry into a practical enabling technology for biotechnology and pharmaceutical innovation; for founding multiple companies that have translated fundamental discoveries into impactful products, including automated glycan synthesizers, carbohydrate-based vaccines, and glycan-based diagnostics; and for visionary scientific leadership and entrepreneurship that have established industrial carbohydrate chemistry as a vibrant field with profound scientific, technological, and societal impact.

Horace S. Isbell Award: **Tiehai Li**

Dr. Tiehai Li has rapidly established a distinctive research program at the interface of carbohydrate chemistry and chemical glycobiology since launching his independent research group at the Shanghai Institute of Materia Medica, Chinese Academy of Sciences in 2019. He has developed innovative methodologies for the efficient synthesis of biologically important glycans and glycoconjugates, strategically applying these tools to advance carbohydrate-based therapeutics and vaccine development. Among his 69 total publications, more than 40 papers have emerged from his independent career, demonstrating both rapid productivity and growing scientific impact.

David Y. Gin New Investigator Award: **Daniel Bojar**

For pioneering the integration of artificial intelligence and computational chemistry in the glycosciences, developing state-of-the-art methods for protein-carbohydrate binding predictions, and advancing structural elucidation of oligosaccharides through mass spectrometry.

Dr. Daniel Bojar is an associate professor in bioinformatics at the Wallenberg Centre for Molecular and Translational Medicine & the Department of Chemistry and Molecular Biology at the University of Gothenburg in Sweden, focusing on machine learning and data science in the field of glycobiology. He obtained his PhD in mammalian synthetic biology at ETH Zurich and continued his postdoctoral training in computational biology at MIT & Harvard University. His group develops and applies methods to discover sequence-to-function associations and

biological roles of glycans via a plethora of approaches. Daniel was awarded a Branco Weiss Fellowship - Society in Science, as well as an ERC Starting Grant, and was recognized as a "Rising Star" by the journal Advanced Science. He was also featured on the 2022 Forbes 30 Under 30 Europe list for work in Science & Healthcare.

Promotions

Lei Li, Ph.D., Associate Professor, Georgia State University (Tenure)

Charlie Fehl, Ph.D., Associate Professor, Wayne State University (Tenure)

Dr. Rachel R. Schendel, Ph.D., Associate Professor,
University of Kentucky (Tenure)

Pumtiwitt McCarthy, Ph.D., Professor, Morgan State University (Full Professor)

Indrajeet Sharma, Ph.D., Presidential Professor, University of Oklahoma (Full Professor)

James W. Janetka, Ph.D., Carl Freiden Distinguished Professor, Washington University School of Medicine (Endowed Professorship)

Peter R. Andreana, Ph.D., Distinguished University Professor,
University of Toledo (Endowed Professorship)

Message from the ACS CARB Division Chair, Xi Chen

I hope that you are preparing to attend the Fall 2026 ACS National Meeting in Chicago. Lead by the CARB Program Chair Charlie Fehl, our division has prepared an exciting list of symposia and poster sessions, some are co-organized and/or co-sponsored by other divisions. Please check them out later in this newsletter or follow this link (https://callforabstracts.acs.org/acsfall2026/CARB). In addition to these scientific programs, we have several other events that you may be interested in.

As part of the effort in celebrating 150 years of ACS, **Professor Anthony Sieranni** will give a talk on behalf of the ACS CARB in a presidential symposium entitled “In Celebration of 150 Years: Brief Histories of ACS Divisions (sponsored by PRES and HIST)” on **Tuesday, August 25, 2026 (8 AM – noon CT)** during the Fall 2026 ACS National Meetings in Chicago. Please join his talk to learn a little bit history of the ACS CARB division.

Professor Anthony Sieranni’s talk related to ACS CARB history
Tuesday, August 25, 9:30 AM – 9:45 AM CT
McCormick Place Convention Center – W192C
Title: "The Division of Carbohydrate Chemistry and Chemical Glycobiology of the American Chemical Society: Inception and Evolution"

Professor Charlie Fehl and I will be at the **ACS Connect Happy Hour** on **Sunday, August 23, 2026**.
ACS Connect Happy Hour

Sunday, August 23, 6:30 PM – 8:30 PM CT | Set-up at 6:00 PM CT
McCormick Place Convention Center, Skyline Ballroom - W375de

Professor Clay Bennett and I will also be presenting CARB Division Row at the **Sci-Mix** on **Monday, August 24, 2026.**
ACS Sci-Mix Division Row
Monday, August 24, 8:00 PM – 10:00 PM CT | Set-up at 7:30 PM CT
McCormick Place Convention Center, West Building, Hall F2 - Level 3

We look forward to seeing/meeting you at the scientific symposia, poster sessions, these and other events to get connected and/or re-connected.

Sincerely, Xi Chen, Ph.D.

CARB MEMBERS (FROM LEFT: TANIA LUPOLI, GEORGE O'DOHERTY, MATTHEW GRIFFIN, AND XI CHEN) AT THE 2026 BECKMAN SYMPOSIUM.

MEET THE GLYCOSIENTIST

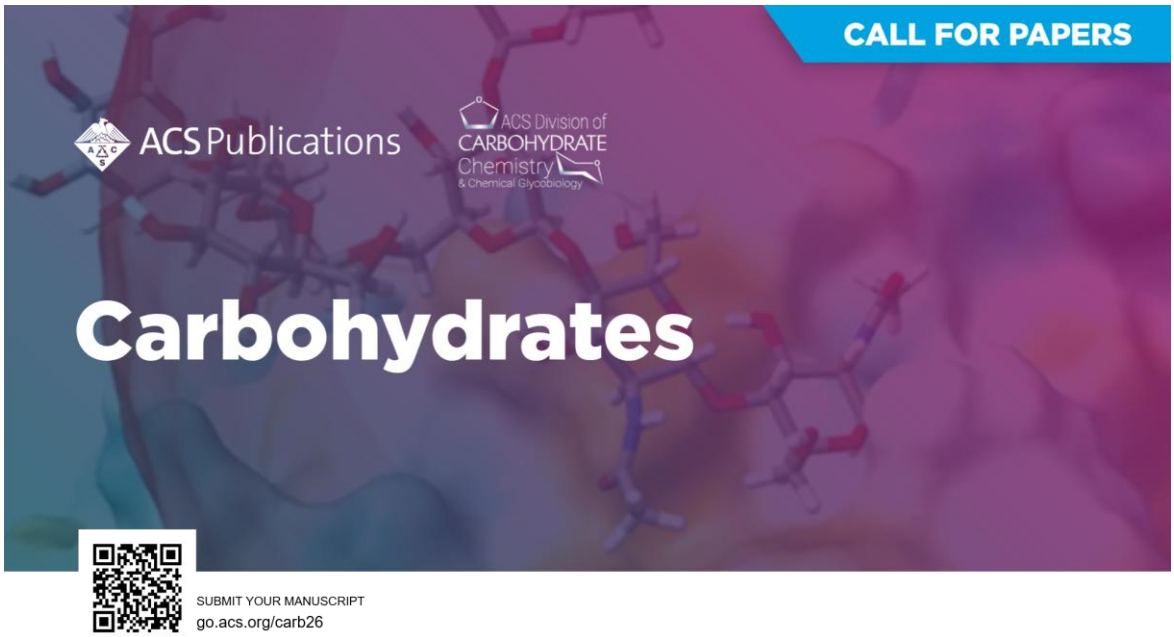
Jonathan Cramer (Heinrich Heine University Düsseldorf)

Jonathan is an Assistant Professor at Heinrich Heine University Düsseldorf, Germany. After earning degrees in Pharmacy and Medicinal Chemistry from Philipps University Marburg, he completed his PhD at the same institution under the supervision of Professor Gerhard Klebe. His doctoral research focused on the impact of water networks and the non-classical hydrophobic effect on the thermodynamics of protein–ligand interactions.

He subsequently joined the group of Professor Beat Ernst at the University of Basel, Switzerland, where he worked on the development of glycomimetic drugs for the treatment of bacterial and viral infections. His research combined structure-based drug design for the optimization of monovalent glycomimetics with biophysics-driven approaches to the design of multivalent glycoconjugates.

In 2021, he established his independent research group at Heinrich Heine University Düsseldorf. His group focuses on the medicinal chemistry and chemical biology of carbohydrate-derived therapeutics,

with a particular emphasis on human lectins as targets for therapeutic intervention in infectious diseases, inflammation, and cancer.



16 ACS journals are partnering with CARB to create one of the largest Special Issues ever from ACS Publications. We are thrilled to showcase the exciting insights, applications, and other new advances from the terrific carbohydrate community! The Special Issue will welcome submissions broadly in the areas of carbohydrate biosynthesis and metabolism, the installation and biological impacts of carbohydrate modifications, carbohydrates in vaccines and drug discovery, carbohydrates in materials, and more.

Click here to discover the full list of participating journals, appropriate contact information, and other details.

Submission deadline: September 30, 2026

Topics of interest include:
• CBMs, CAZymes and other protein/enzyme systems
• Carbohydrate-based natural products and any biomolecule including carbohydrates
• Carbohydrates in health and disease, including vaccines, diagnostics, and more
• Carbohydrate polymers, carbohydrate materials, and biomaterials
• Glucose/carbohydrate metabolism and metabolic engineering
• Chemoenzymatic synthesis and biosynthesis of complex carbohydrates
• Glycobiology
• Carbohydrates in chemical toxicology/exposure
• New tools and methods
• Computational modeling and fundamental studies of carbohydrates

ACS Fall 2026 – CARB Program-at-a-Glance

August 24–27, 2026 | McCormick Place Convention Center (MCPCC)
Program Chair: Charlie Fehl

Day	Time	Session Type	Symposium	Room	Notes
Mon, Aug 24	8:00 AM–11:40 AM	Oral	Stereoselective Glycosylation Methods (Session A)	MCPCC, room N227a	New advances in glycan synthesis
Mon, Aug 24	2:00 PM–6:00 PM	Oral	Stereoselective Glycosylation Methods (Session B)	MCPCC, room N227a	New advances in glycan synthesis
Mon, Aug 24	2:00 PM–6:00 PM	Oral	Transformative Natural Polymers (Session A)	MCPCC, room W187a	Nature-inspired, sustainable 21st century materials
Mon, Aug 24	8:00 PM–10:00 PM	Poster	CARB Sci-Mix!	MCPCC, Hall F2	High-impact CARB posters
Tue, Aug 25	8:00 AM–12:00 PM	Oral	CARB: Graduate & Postdoc Symposium (Session A)	MCPCC, room N227a	Emerging glyco-science research
Tue, Aug 25	8:00 AM–11:25 AM	Oral	Transformative Natural Polymers (Session B)	MCPCC, room W187a	Nature-inspired, sustainable 21st century materials
Tue, Aug 25	2:00 PM–6:00 PM	Oral	CARB: Graduate & Postdoc Symposium (Session B)	MCPCC, room N227a	Emerging glyco-science research
Tue, Aug 25	2:00–5:55 PM	Oral	Transformative Natural Polymers (Session C)	MCPCC, room W187a	Nature-inspired, sustainable 21st century materials
Wed, Mar 25	8:00 AM–11:00 AM	Oral	Czech/Slovak-US/Canada Symposium on Applied & Translational Glycoscience (A)	MCPCC, room N227a	International forum for sugar research
Wed, Mar 25	8:00 AM–11:30 AM	Oral	Transformative Natural Polymers (Session D)	MCPCC, room W186c	Nature-inspired, sustainable 21st century materials
Wed, Mar 25	8:00 AM–11:30 AM	Oral	150 Years of Biopolymer Chemistry (Session A)	MCPCC, room W196c	Properties of biopolymers
Wed, Mar 25	2:00 PM–6:00 PM	Oral	Czech/Slovak-US/Canada Symposium on Applied & Translational Glycoscience (B)	MCPCC, room N227a	International forum for sugar research
Wed, Mar 25	2:00 PM–5:40 PM	Oral	Transformative Natural Polymers (Session E)	MCPCC, room W186c	Nature-inspired, sustainable 21st century materials
Wed, Mar 25	6:00 PM–8:00 PM	Poster	CARB General Posters	MCPCC Hall F2	Posters for all CARB sessions
Wed, Mar 25	6:00 PM–8:00 PM	Poster	Transformative Natural Polymers – Poster Session	MCPCC Hall F2	Posters for TNP sessions
Wed, Mar 25	6:00 PM–8:00 PM	Poster	150 Years of Biopolymer Chemistry – Poster Session	MCPCC Hall F2	Posters for the 150 Years of Biopolymers
Thu, Mar 26	8:00 AM–12:00 PM	Oral	150 Years of Biopolymer Chemistry (Session B)	MCPCC, room W194b	Applications of biopolymers

ACS Fall 2026 – CARB Full Agenda

August 24–27, 2026 | McCormick Place Convention Center (MCPCC)
Program Chair: Charlie Fehl

Monday, August 24

Stereoselective Glycosylation Methods for Complex-Glycan Synthesis (Session A)
8:00 AM – 11:40 AM CST | McCormick Place Convention Center, room N227a
Organized by Hao Xu (Brandeis University) and Xuefei Huang (Michigan State University)

Innovations in synthetic methods for precision control of glycan stereochemistry.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1	4530242		Hydrogen-bond-mediated aglycone delivery	Demchenko, Alexei	1	8:00 AM	[CARB]…	8:25 AM
2	4532337		Catalytic strategies for the synthesis of glycan-based diagnostics	Galan, M Carmen	2	8:25 AM	[CARB]…	8:50 AM
3	4541871		On oxo- and dioxocarbenium ions and their roles in glycosylation reactions	Crich, David	3	8:50 AM	[CARB]…	9:15 AM
4	4543026		Singly Protonated phenanthroline as a cooperative organocatalyst in β-Selective *O*-, *N*-, and ester glycosylations: Mechanistic and kinetic insights	Almounajed, Leila	4	9:15 AM	[CARB]…	9:40 AM
5			break		5	9:40 AM		10:00 AM
6	4534569		Stereoselective synthesis of glycosides based on a directing-group-on-leaving-group approach	Zhang, Liming	6	10:00 AM	[CARB]…	10:25 AM
7	4537159		Studies on deoxy amino glycan containing natural products	Bennett, Clay	7	10:25 AM	[CARB]…	10:50 AM
8	4543110		Unravelling glycosylation reaction mechanisms for the stereoselective assembly of bacterial glycans	Codee, Jeroen	8	10:50 AM	[CARB]…	11:15 AM
9	4540074		Next generation anti-*Salmonella* vaccine development enabled by stereoselectively synthesized carbohydrate antigens	Huang, Xuefei	9	11:15 AM	[CARB]…	11:40 AM

Stereoselective Glycosylation Methods for Complex-Glycan Synthesis (Session B)

2:00 PM – 6:00 PM CST | McCormick Place Convention Center, room N227a

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1	4538402		Chemoenzymatic strategies for stereoselective synthesis of complex glycans containing legionaminic acid (Leg) and derivatives	Chen, Xi	1	2:00 PM	[CARB]…	2:25 PM
2	4538632		Automation platform for the chemo-enzymatic synthesis of complex glycans of biological importance	Boons, G	2	2:25 PM	[CARB]…	2:50 PM
3	4541011		Chemoenzymatic assembly of complex carbohydrates: Challenges and solutions	Li, Lei	3	2:50 PM	[CARB]…	3:15 PM
4	4535623		Chemoenzymatic synthesis of noncanonical nucleotide sugars enables access to expanded glycosylation chemical space	Liu, Yuzhong	4	3:15 PM	[CARB]…	3:40 PM
5			break		5	3:40 PM		3:55 PM
6	4535436		Merging enzymatic catalysis with iron catalysis for highly stereoselective heparan sulfate oligosaccharide assembly	Xu, Hao	6	3:55 PM	[CARB]…	4:20 PM
7	4540294		Chemoenzymatic synthesis of selectively fluorinated N-glycans and antibodies for probing biological functions	Wang, Lai-Xi	7	4:20 PM	[CARB]…	4:45 PM
8	4525768		Non-anomeric glycoboranes: Synthesis and application to the construction of reversed CH_2-linked *C*-glycosides	Huseman, Eric	8	4:45 PM	[CARB]…	5:10 PM
9	4538671		Carbohydrates as a mechanistic discovery platform to uncover σ-hole catalytic phenomena	Loh, Charles C. J.	9	5:10 PM	[CARB]…	5:35 PM
10	4541425		Sulfur-enabled anomeric functionalization of thiosugar	chaudhary, umesh	10	5:35 PM	[CARB]…	6:00 PM

Transformative Natural Polymers of 21st Century ACS Series Symposia IV (Session A)

2:00 PM – 6:00 PM CST | McCormick Place Convention Center, room W187a

Organized by Lingyun Chen (University of Alberta), Charlie Fehl (Wayne State University), Wei Gao (Merck), Feng Jiang (University of British Columbia), and Jun Want (Colgate)

Major scientific advances in natural and nature-inspired polymer synthesis and applications.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Opening Remarks		1	2:00 PM		2:05 PM
2	4537614		Advancing nitro-oxidation process to upcycle natural organic waste and create circular solutions by nanocellulose technologies	Hsiao, Benjamin	2	2:05 PM	[AGFD]…	2:35 PM
3	4538875		Fungal biotransformation: a strategy for creating integrated mycoprotein and pulse protein matrices	Rao, Jiajia	3	2:35 PM	[AGFD]…	3:05 PM
4	4543871		Physically crosslinked biopolymer-based stretchable Organohydrogel with self-healing for environmentally tolerant strain sensors	Chen, Lingyun	4	3:05 PM	[AGFD]…	3:35 PM
5	4544582		SPROUT: Sustainable polymer-based third-generation organic nanozymes for future food and agricultural implementation	Lee, Dong Hoon	5	3:35 PM	[AGFD]…	4:05 PM
6			Intermission		6	4:05 PM		4:15 PM
7	4534667		From cellulosic waste to functional food packaging	Wang, Yixiang	7	4:15 PM	[AGFD]…	4:45 PM
8	4536698		Protein corona formation on zein nanoparticles in dairy protein systems: Implications for stability and food matrix interactions	Wang, Yi	8	4:45 PM	[AGFD]…	5:10 PM
9	4538319		Multimodal AgNC-based active and intelligent packaging film for real-time spoilage monitoring and microbial inhibition	Zhang, Liping	9	5:10 PM	[AGFD]…	5:35 PM
10	4531271		Harnessing fermentation technology to overcome functionality challenges in pulse protein ingredients for food applications	Cheriaparambil, Ramona	10	5:35 PM	[AGFD]…	6:00 PM

CARB Sci-Mix (Posters)

Monday, 8:00 – 10:00 PM | McCormick Place Convention Center, HALL F2 - POSTERS

Posters for all CARB sessions, highlighted among the submitted abstracts.

	Control ID	Final ID	Title	Presenting Author
1	4506936	1130	Synthesis of a hexasaccharide epitope towards a vaccine against Group B Streptococcus	Bahadori, Sam
2	4530466	1131	Substrate-specific inhibition of O-GlcNAcylation – Case study: Targeting the OGT-TET1 protein-protein interaction in TNBC	Aboagye, Caleb
3	4542382	1132	Beyond hydrophobic landscapes: Computational insights into selectivity of tobramycin-based heparanase inhibitors over platelet factor 4 chemokine	Effah, Solomon
4	4530261	1133	Investigation of hydrophobic and sulfated glycans to understand their role in heparanase-driven multiple myeloma	Philip, Livia
5	4541535	1134	Two-domain LecB-like lectin: Unexpected binding properties	Buranova, Tereza
6	4543026	1135	Singly Protonated phenanthroline as a cooperative organocatalyst in β-Selective *O*-, *N*-, and ester glycosylations: Mechanistic and kinetic insights	Almounajed, Leila
7	4541425	1136	Sulfur-enabled anomeric functionalization of thiosugar	chaudhary, umesh
8	4507644	1137	Regioselective functionalization of levoglucosan derivatives toward rare bacterial sugar analogs	Bahadori, Sam
9	4526689	1138	Glycan targeted nanoparticles for improved pancreatic cancer treatment	Nagle, Isabelle
10	4527313	1139	Brick by brick: A DNA nanostructure platform for programming nanoscale architecture and spatially organized molecular systems	Gilbert, Kate
11	4530905	1140	Bottom-Up glycomics of marine sponge sulfated polysaccharides and their role in tissue formation and early animal development	Duran-Nyers, Simone
12	4530945	1141	Structural characterization of the novel Sso7d-based glycan binding protein's molecular determinants of ligand recognition: Probing the role of CH-p and van der Waals forces in carbohydrate binding	Martinez Guzman, Miguel
13	4531984	1142	Pd-catalyzed borylation of diverse carbohydrate derivatives enables non-anomeric C–C bond construction	Hendi, Moataz
14	4534159	1143	Unraveling the structural basis of the oil-binding properties of natural and synthetic polyglucosamines	Dörr, Jonas
15	4540043	1144	High molecular weight and stereoregular thiocarbonate-linked pseudo-polysaccharides as bioactive mimetics for natural polysaccharides	Marston, Juliana

Tuesday, August 25

CARB: Graduate and Postdoc Symposium (Session A)

8:00 AM – 12:00 PM CST | McCormick Place Convention Center, room N227a

Organized by Hien Nguyen (Wayne State University)

This symposium highlights exceptional glycoscience research by early-career trainees.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1	4537172		Evolution of a direct method for stereoselective deoxy glycan synthesis	Bennett, Clay	1	8:00 AM	[CARB]…	8:30 AM
2	4538762		Synthetic studies towards the development of multivalent oligomannosyl glycopeptide conjugates as potential HIV vaccine candidates	Roy, Anurag	2	8:30 AM	[CARB]…	8:55 AM
3	4542382		Beyond hydrophobic landscapes: Computational insights into selectivity of tobramycin-based heparanase inhibitors over platelet factor …	Effah, Solomon	3	8:55 AM	[CARB]…	9:20 AM
4	4539375		Development of chemical diverse and modular peptidoglycan library via novel 1,6-anhydroMurNAc synthesis to probe the innate immun…	Carnahan, Bella	4	9:20 AM	[CARB]…	9:45 AM
5	4544178		Decoding the unknown viral glycome: structure-guided discovery and deep experimentation	Na, Lan	5	9:45 AM	[CARB]…	10:10 AM
6			Break		6	10:10 AM		10:20 AM
7	4542836		Ambient ionization tandem mass spectrometry for carbohydrate analysis	Edwards, Myles	7	10:20 AM	[CARB]…	10:45 AM
8	4530466		Substrate-specific inhibition of O-GlcNAcylation – Case study: Targeting the OGT-TET1 protein-protein interaction in TNBC	Aboagye, Caleb	8	10:45 AM	[CARB]…	11:10 AM
9	4506936		Synthesis of a hexasaccharide epitope towards a vaccine against Group B Streptococcus	Bahadori, Sam	9	11:10 AM	[CARB]…	11:35 AM
10	4537636		What is the catch: Elucidating the structure–property relationships in polyglucosamines for enhancing oil-binding	Dörr, Jonas	10	11:35 AM	[CARB]…	12:00 PM

Transformative Natural Polymers of 21st Century ACS Series Symposia IV (Session B)

8:00 AM – 11:40 AM CST | McCormick Place Convention Center, room W187a
Organized by Lingyun Chen (University of Alberta), Charlie Fehl (Wayne State University), Wei Gao (Merck), Feng Jiang (University of British Columbia), and Jun Want (Colgate)
Major scientific advances in natural and nature-inspired polymer synthesis and applications.

1		Opening Remarks		1	8:00 AM		8:05 AM
2	4541050	Bio-inspired synthetic carbohydrate derivatives to target biofilm-associated pathogens	Chambers, Schuyler	2	8:05 AM	[CARB]…	8:30 AM
3	4538137	Assisted high-speed electrospinning and green post-processing for scalable fabrication of ultrathin silk fibroin nanofibers and microfilms	Lu, Ping	3	8:30 AM	[CELL] …	8:55 AM
4	4550954	Design of polysaccharide derivatives for amorphous solid dispersion	Edgar, Kevin	4	8:55 AM	[CELL] …	9:20 AM
5	4532904	Molecular structure elucidation of sodium alginate and the function regulation through thiol modification	Shao, Yu	5	9:20 AM	[CARB]…	9:45 AM
6		Intermission		6	9:45 AM		10:00 AM
7	4546536	Clustering of histidine-labeled galectin-3 by dendrimers	Cloninger, Mary	7	10:00 AM	[CARB]…	10:25 AM
8	4546539	Distinguishing binding to hyaluronan receptors via combinatorial synthesis of a hyaluronan based polysaccharide Library from Ugi reactions	Fan, Fei	8	10:25 AM	[CARB]…	10:50 AM
9	4547443	Structurally defined glycopolymer heparan sulfate mimetic drives selective heparanase targeting and broad therapeutic activity	Tapayan, April Sweet	9	10:50 AM	[CARB]…	11:15 AM
10	4527840	Characterization of Human Milk Polysaccharides	Wu, Zhengliang	10	11:15 AM	[CARB]…	11:40 AM

CARB: Graduate and Postdoc Symposium (Session B)
1:00 PM – 5:00 PM CST | McCormick Place Convention Center, room N227a
Organized by Hien Nguyen (Wayne State University)
This symposium highlights exceptional glycoscience research by early-career trainees.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1	4533774		Systematic modulation of sulfation and hydrophobicity in heparan sulfate trisaccharides controls glycan–protein interactions	singh, kartikey	1	2:00 PM	[CARB]…	2:30 PM
2	4534878		Proximity tagging reveals glycosylation-dependent role of human basigin-2 in kidney fibrosis	Lee, Elizabeth	2	2:30 PM	[CARB]…	2:55 PM
3	(W) 453213		Decoupled, plug-and-play glycosylation produces homogeneous GLP-1 glycoforms with enhanced stability and sustained release	Feng, Xianzhen | Hsing, I-Mi…	3	2:55 PM	[CARB]…	3:20 PM
4	4534454		Design of experiment approach for the optimisation of rare sugar β-1-phosphate synthesis	Beardmore, Liam	4	3:20 PM	[CARB]…	3:45 PM
5	4543429		Syntheses of O-antigen Glycoconjugates through the chain end Conjugation strategy as a potential polyvalent vaccine against *Klebsiell*…	Fan, Fei	5	3:45 PM	[CARB]…	4:10 PM
6			Break		6	4:10 PM		4:20 PM
7	4530261		Investigation of hydrophobic and sulfated glycans to understand their role in heparanase-driven multiple myeloma	Philip, Livia	7	4:20 PM	[CARB]…	4:45 PM
8	4535508		Synthetic studies toward the total synthesis of zwitterionic polysaccharides	Spieker, Michael	8	4:45 PM	[CARB]…	5:10 PM
9	4541746		Streamlined chemical synthesis of fucosylated human milk oligosaccharides	Pooladian, Faranak	9	5:10 PM	[CARB]…	5:35 PM
10	4543903		Selective N-glycan recognition by synthetic carbohydrate receptor antiviral agents	Erzoah Ndede, Kenneth	10	5:35 PM	[CARB]…	6:00 PM

Transformative Natural Polymers of 21st Century ACS Series Symposia IV (Session C)
2:00 PM – 6:00 PM CST | McCormick Place Convention Center, room W187a
Organized by Lingyun Chen (University of Alberta), Charlie Fehl (Wayne State University), Wei Gao (Merck), Feng Jiang (University of British Columbia), and Jun Want (Colgate)
Major scientific advances in natural and nature-inspired polymer synthesis and applications.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Opening Remarks		1	2:00 PM		2:05 PM
2	4548474		Define natural polymer strategic focus area in advanced materials innovation	Yuan, Qiong	2	2:05 PM	[POLY] …	2:35 PM
3	4537246		4537246 ACS Green Chemistry Institute Natural Polymer Consortium: Advancing the industrialization and commercialization of natural polymers	Wagner, Matthew	3	2:35 PM	[CELL] …	3:05 PM
4	4522304		Biodegradable: What does it mean and how standards test and define	Okamoto, Kelvin	4	3:05 PM	[POLY] …	3:35 PM
5	4525322		Advancing circularity through polymer innovation for sustainable packaging applications	Nasiri, Mammad	5	3:35 PM	[POLY] …	4:05 PM
6			Intermission		6	4:05 PM		4:15 PM
7			Panel Discussion		7	4:15 PM		5:55 PM

Note the panel discussion at 4:15pm!

Wednesday, August 26

Czech/Slovak—US/Canadian Symposium on Applied & Translational Glycosciences (Session A)
8:00 AM – 11:00 AM CST | McCormick Place Convention Center, room N227a
Organized by Alexei Demchenko (St. Louis Univ.) and Michaela Wimmerova (Masaryk Univ.)
An exciting international forum for glycoscience in the US/Canada and Czech/Slovak regions.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Introduction		1	8:00 AM		8:05 AM
2	4523392		Decoding lectin–glycan Interactions: Structural insights and analytical applications	Wimmerova, Michaela	2	8:05 AM	[CARB]…	8:35 AM
3	4519536		Modular and scalable synthesis of a comprehensive high-mannose N-glycan library to probe *Enterococcus faecalis* glycan utilization	Addanki, Rupa Bai	3	8:35 AM	[CARB]…	8:50 AM
4	4538783		Fluorescence quenched substrates for quantifying lysosomal enzyme activities within cells: advances and applications	Vocadlo, David	4	8:50 AM	[CARB]…	9:20 AM
5			Break		5	9:20 AM		9:40 AM
6	4541138		Structural characterization of the novel Sso7d-based glycan binding protein's molecular determinants of ligand recognition: probing the role of C…	Kizer, Megan	6	9:40 AM	[CARB]…	10:10 AM
7	4520037		Galectin-targeting glycoprobes as diagnostic tools	Cerven, Jakub	7	10:10 AM	[CARB]…	10:25 AM
8	4542525		Carbohydrate interactions in proteins from computational methods perspective	Kozmon, Stanislav	8	10:25 AM	[CARB]…	10:55 AM
9			Closing		9	10:55 AM		11:00 AM

150 Years of Biopolymer Chemistry Toward a Sustainable Future (Session A)
8:00 AM – 11:05 AM CST | McCormick Place Convention Center, room W196c
Organized by Lingyun Chen (University of Alberta), Charlie Fehl (Wayne State University), Wei Gao (Merck), Feng Jiang (University of British Columbia), and Jun Want (Colgate)
This symposium examines the roles of bio-based polymers for sustainable applications.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Opening Remarks		1	8:00 AM		8:05 AM
2	4539183		Self-healable chitosan-based polymers containing dynamic covalent bonds	Yan, Ning	2	8:05 AM	[AGFD]…	8:35 AM
3	4540500		Structural and functional insights into high-amylose starches for food and biomaterial applications	Ai, Yongfeng	3	8:35 AM	[AGFD]…	9:05 AM
4	4539043		Enzymatic engineering of natural functional polymers using transglutaminase	Zhang, Yi	4	9:05 AM	[AGFD]…	9:30 AM
5	4537825		Leveraging protein-polysaccharide combinations to modulate structures and functionalities	Girard, Audrey	5	9:30 AM	[AGFD]…	9:55 AM
6			Intermission		6	9:55 AM		10:10 AM
7	4548243		Starch spherulites: Preparation and structure-digestibility relationship	Shi, Yong-Cheng	7	10:10 AM	[AGFD]…	10:40 AM
8	4536240		Sequential assembly of pea 7S protein–phenolic complexes for sustainable delivery systems	Chen, Lingyun	8	10:40 AM	[AGFD]…	11:05 AM

Transformative Natural Polymers of 21st Century ACS Series Symposia IV (Session D)

8:00 AM – 11:30 AM CST | McCormick Place Convention Center, room W186c

Organized by Lingyun Chen (University of Alberta), Charlie Fehl (Wayne State University), Wei Gao (Merck), Feng Jiang (University of British Columbia), and Jun Want (Colgate)

Major scientific advances in natural and nature-inspired polymer synthesis and applications.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Opening Remarks		1	8:00 AM		8:05 AM
2	4546459		Artificial protein fibers from agricultural wastes and co-products for textile applications	Yang, Yiqi	2	8:05 AM	[POLY] …	8:35 AM
3	4547447		Structurally defined heparan sulfate glycopolymers: Synthesis, function, and inhibition of heparanase in glycosaminoglycan–protein interactions	Singh, Kartikey	3	8:35 AM	[CARB]…	9:00 AM
4	4546610		Chemically recyclable pseudo-polysaccharides from living ring- opening polymerization of glucurono-1,6-lactones	Rondon, Brayan	4	9:00 AM	[CARB]…	9:25 AM
5	4544442		Exploring the hydrophilicity/hydrophobicity of cyclodextrin-based polymer adsorbents for PFAS removal	Lindberg, Charlie	5	9:25 AM	[CARB]…	9:50 AM
6			Intermission		6	9:50 AM		10:05 AM
7	4541150		Performance-enhancing amorphous PHA for next-generation compostable solutions	Patel, Akanksha	7	10:05 AM	[POLY] …	10:35 AM
8	4532933		Biopolymeric multilayer systems on paper using renewable bioplastics for sustainable applications	He, Zunhuang	8	10:35 AM	[CELL] …	11:00 AM
9	4543546		Enabling a circular materials economy for PHAs through amine catalyzed methanolysis	Puffer, Katherine	9	11:00 AM	[POLY] …	11:30 AM

Czech/Slovak—US/Canadian Symposium on Applied & Translational Glycosciences (Session B)

2:00 PM – 5:55 PM CST | McCormick Place Convention Center, room N227a

Organized by Alexei Demchenko (St. Louis Univ.) and Michaela Wimmerova (Masaryk Univ.)

An exciting international forum for glycoscience in the US/Canada and Czech/Slovak regions.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Introduction		1	2:00 PM		2:05 PM
2	4544131		Toward enamel-adhesive mucin mimetics to support oral microbial homeostasis	Godula, Kamil	2	2:05 PM	[CARB]…	2:35 PM
3	4541535		Two-domain LecB-like lectin: Unexpected binding properties	Buranova, Tereza	3	2:35 PM	[CARB]…	2:50 PM
4	4536384		3-Thiocresylprop-1-enyl (TCP) glycoside donors in glycosylations	Jayaraman, Narayanaswamy	4	2:50 PM	[CARB]…	3:20 PM
5	4541171		Targeting glycan-galectin axis in cancer	Bojarova, Pavla	5	3:20 PM	[CARB]…	3:50 PM
6			Break		6	3:50 PM		4:10 PM
7	4530905		Bottom-Up glycomics of marine sponge sulfated polysaccharides and their role in tissue formation and early animal development	Duran-Nyers, Simone	7	4:10 PM	[CARB]…	4:25 PM
8	4531811		α-Glucan polymorphism and chitosan-dependent remodeling in cryptococcal cell wall polysaccharides revealed by solid-state NMR	ANKUR, ANKUR	8	4:25 PM	[CARB]…	4:40 PM
9	(W) 452820		Modular glycosylated protein linkers enable decoupled, plug-and-play glycomaterial synthesis	Feng, Xianzhen | Hsing, I-Mi…	9	4:40 PM	[CARB]…	4:55 PM
10	4519646		Reverse-phase lectin-based glycoprotein microarrays for high-throughput glycoprofiling in childhood-related disorders	Katrlik, Jaroslav	10	4:55 PM	[CARB]…	5:25 PM
11	4514526		HPLC-based automated synthesis and purification of carbohydrate building blcoks and glycan sequences	Demchenko, Alexei	11	5:25 PM	[CARB]…	5:55 PM
12			Closing		12	5:55 PM		6:00 PM

Transformative Natural Polymers of 21st Century ACS Series Symposia IV (Session E)

2:00 PM – 5:40 PM CST | McCormick Place Convention Center, room W186c

Organized by Lingyun Chen (University of Alberta), Charlie Fehl (Wayne State University), Wei Gao (Merck), Feng Jiang (University of British Columbia), and Jun Want (Colgate)

Major scientific advances in natural and nature-inspired polymer synthesis and applications.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Opening Remarks		1	2:00 PM		2:05 PM
2	4544766		Lignin resources as a platform for developing high performance polymers	Robertson, Megan	2	2:05 PM	[POLY] …	2:40 PM
3	4544916		Diol-functionalization of lignin during biomass pretreatment by deep eutectic solvents	Wan, Caixia	3	2:40 PM	[CELL] …	3:10 PM
4	(W) 453978		Sustainable non-isocyanate polyhydroxyurethanes from biomass lignin and CO_2	GHORAI, ARIJIT	4	3:10 PM	[POLY] …	3:35 PM
5			Intermission		5	3:35 PM		3:50 PM
6	4541466		Synthesis and characterization of high temperature materials from biosynthetic naringenin	Vest, Natalie	6	3:50 PM	[CELL] …	4:20 PM
7	4540021		Integrating Biopolymeric Equivalent-blood Simulants with AI workflows to advance forensic spatter Technology (BEST)	Bashir, Sajid | Liu, Jin…	7	4:20 PM	[POLY] …	4:50 PM
8	4533642		Ionic liquid tuning for lignin polyol extraction to be used in polyol-based plastic synthesis	Lawal, Tolulope	8	4:50 PM	[CELL] …	5:15 PM
9	4541704		Multifunctional magnetic Cellulose Nanocrystals: A sustainable platform for magnetic hyperthermia and pathogen control	Vasquez, Erick | Chan…	9	5:15 PM	[CELL] …	5:40 PM

CARB General Poster Session

6:00 PM – 8:00 PM | McCormick Place Convention Center, HALL F2 – POSTERS

Posters for all CARB symposia are featured here.

	Control ID	Final ID	Title	Presenting Author
1	4543317	1116	Catalyst selection in boron-catalyzed iterative glycosylation	Sunil, Chandana
2	4526689	1117	Glycan targeted nanoparticles for improved pancreatic cancer treatment	Nagle, Isabelle
3	4507644	1118	Regioselective functionalization of levoglucosan derivatives toward rare bacterial sugar analogs	Bahadori, Sam
4	4527313	1119	Brick by brick: A DNA nanostructure platform for programming nanoscale architecture and spatially organized molecular systems	Gilbert, Kate
5	4530945	1120	Structural characterization of the novel Sso7d-based glycan binding protein's molecular determinants of ligand recognition: Probing the role of CH-p and van der Waals forces in carbohydrate binding	Martinez Guzman, Miguel
6	4531984	1121	Pd-catalyzed borylation of diverse carbohydrate derivatives enables non-anomeric C–C bond construction	Hendi, Moataz
7	4532373	1122	Targeting hyperphosphorylated tau pathology through cell-surface heparan sulfate–mediated mechanisms in Alzheimer's disease	Tapayan, April Sweet
8	4542220	1123	Evaluation of sialidase inhibition effects on TLR4-mediated NF-κb signaling in macrophages	Sahebjam-Atabaki, Reza
9	4534159	1124	Unraveling the structural basis of the oil-binding properties of natural and synthetic polyglucosamines	Dörr, Jonas
10	4541259	1125	CRISPR gene editing for functional studies of O-GlcNAcylation on proteins in live cells	Ayodele, Abigail
11	4540043	1126	High molecular weight and stereoregular thiocarbonate-linked pseudo-polysaccharides as bioactive mimetics for natural polysaccharides	Marston, Juliana
12	4540397	1127	From sugars to semiconductors: Carbohydrate side-chains for sustainable organic electronics	Kis, Victoria Olga
13	4543223	1128	Modulation of Desialylation of Macrophages Upon LPS Stimulation	Pychowycz, Morgan
14	4522695	1129	Progress towards the synthesis of a 4,5 Kdo trisaccharide from an *Acinetobacter baumannii* lipooligosaccharide	Okoko, Brenda
15	4543318	1130	Enzymatic degradation and characterization of Chondroitin Sulfate isoforms and their effects on Thrombomodulin-mediated Protein C activation	Wiley, Corbin

Transformative Natural Polymers - Poster Session

6:00 PM – 8:00 PM | McCormick Place Convention Center, HALL F2 – POSTERS

Posters for the Transformative Natural Polymers symposia are featured here.

	Control ID	Final ID	Title	Presenting Author
1	4543059	1098	Step growth polymerization of telechelic macromonomers to access reusable polyolefin-like polyesters	Avila-Martinez, Yunuen
2	4540726	1099	Synthesis of tyramine-modified hyaluronic acid hydrogels for biomedical applications	Peng, Yaping
3	4539136	1100	Microwave-assisted synthesis of chitosan-phosphonate for metal chelation and application in water purification	Dassanayake Mudiyanselage, Dilanka N B D
4	4540129	1101	Sustainable biobased wax alternatives from PBAT and ODSA for high-barrier recyclable paper packaging	KUNNATH, MAJMA

150 Years of Biopolymer Chemistry Toward a Sustainable Future – Poster Session
6:00 PM – 8:00 PM | McCormick Place Convention Center, HALL F2 – POSTERS
Posters for the 150 Years of Biopolymer Chemistry symposia are featured here.

	Control ID	Final ID	Title	Presenting Author
1	4536803	1102	Design and stabilization of an edible nanometric coating with antifungal properties to increase the shelf life of strawberries (*Fragaria ananassa*) applying circular economy principles	Jiménez, Jafet | Jaramillo-Quintero, Lidia Patricia
2	4534759	1103	Regolith-mediated fibrillation of recycled cellulose fibers into composite aerogels for thermal insulation of lunar habitats	Wei, Alexander
3	4523400	1104	Highly transparent crosslinked cellulose nanocrystal coatings with high gas barrier and enhanced water resistance for sustainable food packaging	Wang, Yirou
4	4525161	1105	Electrospun lignin/PAA nanofibers using different biomass-derived lignins	Choi, Sa Rang
5	4525165	1106	Incorporation of bio-based polyester into Polyvinyl chloride foam	Kim, Jinho
6	(W) 453592		Tuning the self-assembly of Birch-bark extractive coatings for paper-based packaging through solvent-dependent evaporation	Matinfar, Golshan
7	4544151	1107	Carboxylated cellulose nanofibrils as multifunctional adjuvants for drift-reducing and controlled-release glyphosate formulations	Lolimbavansha, Reshani
8	4539032	1108	Interface-directed synthesis of polyaniline coatings on cellulose nanocrystals using polyoxometalate-assisted polymerization	SHABBIR, AIMAN
9	4543690	1109	Boron-based lewis acid strategy for producing water-soluble cellulose from biomass	Ghaderi Jouybari, Iman
10	4543768	1110	Boron trihalide reagents for plant lignocellulose separation	Aryal, Prateek
11	4525535	1111	Bioethanol from rice husks as a second-generation biofuel: Glucose quantification using Dinitrosalicylic acid analysis	Mohamed, Omar
12	(W) 454040		Multiscale structure, interface, and surface engineering (SISE) of natural fibers	Ren, Kehao
13	4543581	1112	Valorization of fish processing waste for bioplastic polyhydroxyalkanoates production by *Haloferax mediterranei*	Zhao, Fujunzhu
14	4544823	1113	Biochar a new frontier in agriculture	Adeosun, Godsfavour

Thursday, August 27

150 Years of Biopolymer Chemistry Toward a Sustainable Future (Session B)
8:00 AM – 12:00 PM CST | McCormick Place Convention Center, room W194b
Organized by Lingyun Chen (University of Alberta), Charlie Fehl (Wayne State University), Wei Gao (Merck), Feng Jiang (University of British Columbia), and Jun Want (Colgate)
This symposium examines the roles of bio-based polymers for sustainable applications.

	Control ID	Final ID	Title	Presenting Author	Order	Start Time	Division	End Time
1			Opening Remarks		1	8:00 AM		8:05 AM
2	4540418		Sustainable production of cellulose acetate nanofibers from industrial hemp for packaging and agricultural mulch applications	Pal, Lokendra	2	8:05 AM	[CELL] …	8:35 AM
3	4546360		Reversible, chemically triggered water retention in disulfide cross-linked synthetic conserved anterior mucus proteins (CAMPs)	Braunschweig, Adam	3	8:35 AM	[CARB]…	9:05 AM
4	4538187		Sheath-assisted triaxial electrospinning of tunable ethyl cellulose hollow microtubes for superior thermal insulation	Lu, Ping	4	9:05 AM	[CELL] …	9:35 AM
5	4543878		Protein-based soft materials from agricultural byproducts for resilient food and agricultural systems	Zou, Jiahan	5	9:35 AM	[CELL] …	10:05 AM
6			Intermission		6	10:05 AM		10:20 AM
7	4543104		Functionalized nano cellulose-reinforced GelMA composite hydrogels with enhanced physicochemical performance	Zhang, Yushan	7	10:20 AM	[CELL] …	10:45 AM
8	4534081		Evaluation of DNA immobilization on cellulosic paper surface for CRISPR/Cas-assisted nucleic acid sensing	Tanifuji, Yohei	8	10:45 AM	[CELL] …	11:10 AM
9	4540819		Fabrication cellulose phosphate/metal oxide nanocomposite as bio-active advanced wound healing agent	Sanjida, Fariha	9	11:10 AM	[CELL] …	11:35 AM
10	4523596		Composition–property relationships in partially bio-based Def–TEGDMA resin systems for stereolithographic additive manufacturing	Shams, Kashfia	10	11:35 AM	[CELL] …	12:00 PM

From the U.S. Advisory Committee for the International Carbohydrate Symposia (USACICS)

The 32nd International Carbohydrate Symposium (XXXII ICS), chaired by Dr. Milos Hricovini, was held in Bratislava, Slovakia on July 5-9, 2026. The Conference covered all major aspects of our field with the focus on glycochemistry, and the organizing committee, headed by Dr. Hricovini (far right on the photo below), went above and beyond to make this meeting a huge success.

The meeting attracted 428 attendees with the largest representations from Slovakia, Japan, Spain, UK, and the Netherlands. I am glad to share that there were 15 attendees from the USA. The scientific program included 8 plenary lectures and 32 keynote lectures. For additional information, please download **PDF file** of the **ICS 2026 Book of Abstracts**. The USACICS Board of Directors meeting was

also held in person in Bratislava. The subsequent meetings are planned as follows, and further details will become available on the International Carbohydrate Organization (ICO) website: https://ico.chemistry.unimelb.edu.au/

2028 Canada (*Vancouver, July 16-20, chaired by Professor David Vocadlo, see photo below; the website is already up and running: https://ics2028.com/)*

2030 Italy	2032 Taiwan	2034 Ireland	2036 Australia
2038 Japan	**2040 USA**	**2042 Spain**	

The 23rd European Carbohydrate Symposium (Eurocarb23) chaired by Professor Bruce Turnbull (see photo below) will be held in Leeds (UK) on July 18-22, 2027.

The USACICS looks forward to supporting ICS 2028 and to working with the International Carbohydrate Organization and the entire carbohydrate community as well as industrial partners and sponsors to ensure continued support of future symposia and awards that we sponsor.

With best wishes,

Alexei V. Demchenko, PhD, ACSF
President of the USACICS
U.S. National Representative for the ICO

UPCOMING MEETINGS

Midwest Carbohydrate & Glycobiology Symposium 2026

We are excited to announce that the 21st Midwest Carbohydrate & Glycobiology Symposium (MCGS) will be held on the beautiful campus of Michigan State University from 6pm Friday Sept. 18th to 6pm Saturday Sept. 19th.

MCGS started in 2005 with the goal of building up the community and fostering interests in glycoscience. It has been hosted by various institutions in the Midwest over the past two decades. Besides invited speakers, there will be ample opportunities for students and postdocs to give oral or poster presentations. It is a great venue to learn the latest development in glycoscience, hone your presentation skills, catch up with old friends, and make new friends. Following tradition of this conference, registration will be FREE to all participants.

Info on the conference can be found at the following site:
https://www.chemistry.msu.edu/conferences/carbohydrate/index.aspx

The deadline for registration and abstract submission is **Friday, August 28th, 2026.**

Please email Xuefei Huang (huangxu2@msu.edu) if you have any questions or need any additional information.

Sincerely,
Xuefei Huang
MSU Foundation Professor Departments of Biomedical Engineering and Chemistry Institute for Quantitative Health Science and Engineering Michigan State University

CARB Division — ACS Spring 2027 National Meeting: Planned Symposia

Submission Deadline: Monday, September 28, 2026
Program Chair: Charlie Fehl
Submit on: *callforabstracts.acs.org/acsspring2027/CARB*

Title	Type	Submission Type	Organizer
150 Years of Biopolymer Chemistry Toward a Sustainable Future	Oral + Poster	Contributed	Michael Appell Lingyun Chen Charlie Fehl Feng Jiang Lucy Yu
CARB Awards 2027 (Invited)	Oral	Invited	Clay Bennett Xi Chen Kamil Godula
Current Topics in Carbohydrate Chemistry and Chemical Glycobiology (Poster Session)	Poster	Contributed	Charlie Fehl
Glycans in the Regulation of Biological Functions	Oral + Poster	Invited + Contributed	Charlie Fehl Kamil Godula Wenshe Liu
Glycopeptide Drugs and Targets	Oral + Poster	Contributed	Robin Polt Matthew Pratt
Intersection of Fluorine and Carbohydrate Chemistry	Oral + Poster	Contributed	Hien Nguyen Cody Ross Pitts Lai-Xi Wang
Modern Frontiers in Polysaccharide Conjugate Vaccines: Innovations in Design, Characterization, and Biomanufacturing	Oral + Poster	Contributed	Kaushik Dutta Kendra Jenkins Stephen Kolodziej
Pseudo-Oligosaccharides and Pseudo-Polysaccharides: Expanding the Structural and Functional Space of Glycomaterials	Oral + Poster	Contributed	Cassandra Callmann Jia Niu

Open Positions

Wesleyan University

Wesleyan has a few faculty searches that might be good to share with the membership. Here are the links and descriptions for the positions:

- Open Rank Professor of Chemistry - specializing in inorganic and/or physical chemistry
- Assistant Professor of Physics - special interest in the areas of photonics, quantum information, quantum sensing, quantum optics, quantum materials, AI-enabled materials discovery and optimization, physical computing, and developing AI-driven solutions for physics applications
- Assistant Professor of Molecular Biology and Biochemistry - biochemical, biophysical or structural approaches to address fundamental problems in the life sciences including but not limited to those relating to nucleic acid structure/function, proteomics, molecular microbiology, protein structure and function, and enzyme kinetics

The Fehl Lab at Wayne State University is recruiting a postdoctoral fellow with expertise in medicinal chemistry and/or chemical biology. The project, funded by our recent NIH grant, will focus on the development of glycosyltransferase inhibitors and activators for diabetes.

- I am especially seeking applicants who are interested in working on a startup venture.
- Please see/share the following job description link for details and how to apply, and if you have any great scientists in mind, please put them in touch with me directly!

https://waynetalent.csod.com/ux/ats/careersite/2/home/requisition/3555?c=waynetalent

CARB Business

Advertising
If you are interested in advertising through the Carbohydrate Newsletter, please email janetkaj@wustl.edu for advertising rates.

Changing email
Email addresses are updated monthly through www.acs.org please keep your email address up to date in your ACS profile to continue receiving important division updates.

Carbohydrate Division Membership
Please help keep the Carbohydrate division of the American Chemicals Society strong by encouraging your students and colleagues to join the Carbohydrate division. Recruit a colleague today! Registration information can be found here: http://carb.sites.acs.org/

*Membership is **free** of charge for the first year and $12.50 per year thereafter; $7.00 for students.*

Please plan for the 2027 CARB division elections

OPEN POSITIONS, STARTING JANUARY 1, 2027:

TREASURER
COUNCILOR

ALTERNATE COUNCILOR
MEMBER-AT-LARGE (ACADEMIA)
MEMBER-AT-LARGE (INDUSTRY)
AWARDS COMMITTEE MEMBER

Please send nominations and self-nominations to Jim Janetka (janetkaj@wustl.edu) for our FALL 2026 Election!

PROGRAM SPONSORS

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