

ACGG2026 Joint AGS

15TH ASIAN COMMUNITY OF GLYCOSCIENCE AND GLYCOTECHNOLOGY (ACGG) CONFERENCE
AND 7TH AUSTRALASIAN GLYCOSCIENCE SYMPOSIUM (AGS)

Satellite Event: The 3rd GlyCosmos Jamboree [Learn More](#)

October 3–6, 2026

Common Auditorium of AJST Tsukuba Central, Tsukuba, Japan

Direct access
from Akihabara, Tokyo!

PROGRAM AT A GLANCE

3 (Sat)		4 (Sun)			5 (Mon)			6 (Tue)		
Auditorium Main Hall		Auditorium Main Hall	Information Building Net Working Room		Auditorium Main Hall	Information Building Net Working Room		Auditorium Main Hall	Information Building Net Working Room	
Meeting Room (B)										
		Session 1 M Glycoanalysis S1 D. Cramer S2 N. DeBono S3 X. Zou S4 C. Nagai-Okatani S5 J. Wei Ca (PSS)	Session 1 N Glycochemistry S6 P. Kancharla S7 M. Kiefel S8 N. Komura S9 Y. Ueda S10 C.-W. Chang Cb (TCI)		Session 5 M Glycobiology S21 I.-M. Lee S22 E. Moh S23 K. Kamboj S24 S. Dalal S25 D. X. T. Anh Ca (Valqua)	Session 5 N Glycomedicine/ Glycoanalysis S26 J. Kim S27 S. Yanaka S28 P. Nissen S29 W. Liao S30 M. M. Mackeen Cb (GlyTech)		Session 8 M Glycochemistry S31 D. Takahashi S32 P.-J. Li S33 M. Yoritate S34 K. Sakurai S35 C.-H. Chang Ca (SBio)	Session 8 N Glycobiology S36 K. Sakamoto S37 O. Panawan S38 P. Dipta S39 U. Bashir S40 J. Swan Cb (UBR)	
Jamboree		Break		Jamboree	Break		Jamboree	Break		Jamboree
		Session 2 Glycoanalysis L6 D. Kolarich L7 A. Everest-Dass L8 R. Eko Sanjaya	Satellite		Session 6 Glycobiology L12 T. Suzuki L13 Y. Ruan L14 Y. Kizuka	Satellite		Session 9 Glycochemistry L19 A. Basu L20 V. Ferro L21 V. K. Tiwari	Satellite	
Registration Open 11:00~										
Lunch Break										
Opening Ceremony		Poster Presentation 1	ACGG SCM Meeting (Interaction Conference Room, Information Building)		Poster Presentation 2	AGS Meeting (Interaction Conference Room, Information Building)		Session 10 Glycobioinformatics /Jamboree report S41 W. Sun S42 Yi-Ju Chen S43 C.-Y. Wang L22 K.F. Aoki-Kinoshita		
Session 1 Keynote Lecture K1 Y. Ito		20+20			14+14					
Photo (Outside)					Poster Presentation 3					
Break					14+14			Closing Ceremony		
IGCORE-AGS Special Session1 AGS Award L1 M. Thaysen-Andersen, L2 J. Du		Session 3 Applied Glycoscience /Glycobiology L9 D. Kan L10 C. Sato L11 R. Dalk		Jamboree	Break		Jamboree			
Break					AIST AGS Special Session K3 T. Lowary, K4 M. von Itzstein, L15 S.-C. Hung					Keynote: 4 AGS Award: 2 IGCORE long: 3 Long: 17 Short talk: 43 Company flash: 6 Total
IGCORE-AGS Special Session2 HGA PJ K2 K. Kadomatsu, L3 J. Furukawa, L4 T. Okajima, L5 A. Kitani		Session 4 M Applied Glycoscience S11 N. T. Puspaningsih S12 K. Putri S13 S. Ahlawat S14 L. Hartley-Tassell S15 T.-C. Chang			Session 7 Glycomedicine /Glycochemistry L16 A. Silsirivanit, L17 Jennings AGS L18 C.-H. Lin,		Satellite			26 43 6 75
Welcome reception (Interaction Conference Room, Information Building)		Session 4 N Glycobiology S16 H. Zhang S17 H. Kawashima S18 I. G. Steen S19 R. Kawahara S20 S. Chatterjee		Jamboree						Keynote 30 min Long talk 25 min Short talk 18 min Flash 3 min
		Break								
		Session 4 M Applied Glycoscience S11 N. T. Puspaningsih S12 K. Putri S13 S. Ahlawat S14 L. Hartley-Tassell S15 T.-C. Chang								
		Session 4 N Glycobiology S16 H. Zhang S17 H. Kawashima S18 I. G. Steen S19 R. Kawahara S20 S. Chatterjee								
		Invited Dinner at Sansuitei (near Tsukuba Station)								

ORAL PROGRAM

SATURDAY, OCTOBER 3, 2026

Session 1 / Keynote Lecture

Session Chair: Akihiro Ishiwata, RIKEN, Japan

Saturday, October 3, 2026 | 13:30-14:00 | Main Hall

K1 **Lost in Glycosylation**
Yukishige Ito
The University of Osaka
Date: 13:30-14:00

iGCORE-AGS Special Session 1 / AGS Award

Session Chair: Daniel Kolarich, Griffith University, Australia

Saturday, October 3, 2026 | 14:45-15:45 | Main Hall

L1 **System glycobiology reveals cancer-promoting glyco-enzymes in the tumour microenvironment**
Morten Andersen
Macquarie University
Date: 14:45-15:15

L2 **Tools for probing the immune response and developing next-generation antibody-therapeutics**
Jonathan Du
Griffith University
Date: 15:15-15:45

iGCORE-AGS Special Session 2 / HGA Pj

Session Chair: Chihiro Sato, iGCORE, Nagoya University, Japan**Hiromune Ando, iGCORE, Gifu University, Japan**

Saturday, October 3, 2026 | 16:00-18:00 | Main Hall

K2 **The Missing Piece — An Overview of the Human Glycome Atlas Project**
Kenji Kadomatsu
iGCORE, Nagoya University
Date: 16:00-16:30

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| L3 | <p>A High-Throughput Platform for Comprehensive Serum/Plasma Glycome Analysis in Cohort Studies</p> <p>Jun-ichi Furukawa
iGCORE, Nagoya University
Date: 16:30-16:55</p> |
| L4 | <p>Population Glycomics in the Human Glycome Atlas Project: Establishing Reference Glycopeptide Profiles</p> <p>Tetsuya Okajima
iGCORE, Nagoya University
Date: 16:55-17:20</p> |
| L5 | <p>Toward AI-driven Glycoscience for the Human Glycome</p> <p>Akihiro Kitani
iGCORE, Nagoya University
Date: 17:20-17:45</p> |

SUNDAY, OCTOBER 4, 2026

Session 1 M

Session Chair: Juan Wei, Shanghai Jiao Tong University, China

Kazuki Nakajima, Gifu university, Japan

Sunday, October 4, 2026 | 9:00-10:45 | Main Hall

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| S1 | <p>Exploring Tissue-Wide Bacterial Glycoproteins through Mass Spectrometry</p> <p>Dario Alexander Taco Cramer
Fudan University
Date: 9:00-9:18</p> |
| S2 | <p>Development of a Matrix-Matched Calibration Curve for Multi-Site Quantification of Neu5Gc-Bearing N-Glycans</p> <p>Nicholas J DeBono
Griffith University
Date: 9:18-9:36</p> |
| S3 | <p>Dynamic Characterization of the PBMC N-glycoproteomic Landscape during Immunotherapy in NSCLC</p> <p>Xia Zou
Shanghai Jiao Tong University
Date: 9:36-9:54</p> |

- S4** **Lectin-IMC: lectin-assisted imaging mass cytometry as an on-tissue validation platform for spatial glycomics and glycoproteomics**
Chiaki Nagai-Okatani
AIST
Date: 9:54-10:12
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- S5** **Permethylated-based Ultrasensitive N- and O-glycomics for Low-Input Samples**
Juan Wei
Shanghai Jiao Tong University
Date: 10:12-10:30
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Session 1 N

Session Chair: Kiichiro Totani, Seikei University, Japan

Milton Kiefel, Griffith University, Australia

Sunday, October 4, 2026 | 9:00-10:45 | Net Working Room

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- S6** **Organocatalysis for Stereoselective Glycosylation**
Pavan K Kancharla
Indian Institute of Technology Guwahati
Date: 9:00-9:18
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- S7** **Studies towards the synthesis of bacterial nonulosonic acids**
Milton Kiefel
Griffith University
Date: 9:18-9:36
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- S8** **Studies of Fully Stereoselective α -Sialylation and Its Applications**
Naoko Komura
iGCORE, Gifu University
Date: 9:36-9:54
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- S9** **Non-Enzymatic Synthesis of Glycan-Asparagine Conjugates**
Yoshihiro Ueda
AIST
Date: 9:54-10:12
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- S10** **Elucidating Reactive Sugar-intermediates by Mass Spectrometry**
Chun-Wei Chang
Academia Sinica
Date: 10:12-10:30
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Session 2

Session Chair: Kay-Hooi Khoo, Academia Sinica, Taiwan

Sunday, October 4, 2026 | 11:00-12:15 | Main Hall & Net Working Room (Satellite)

L6

Daniel Kolarich

Griffith University

Date: 11:00-11:25

L7

Infection Reshapes the Host Glycome: Coordinated Glycan Remodelling in HPIV-3–Infected Nasal Epithelium

Arun Everest-Dass

Griffith University

Date: 11:25-11:50

L8

Crystallization and structural modelling of a metagenome-derived halophilic glycoside hydrolase family 5

Rahmat Eko Sanjaya

Universitas Lambung Mangkurat

Date: 11:50-12:15

Session 3

Session Chair: Chuan-Fa Chang, National Cheng Kung University, Taiwan

Sunday, October 4, 2026 | 15:00-16:15 | Main Hall & Net Working Room (Satellite)

L9

Glce deficiency in the hippocampus leads to depressive-like behaviors in mice

Kan Ding

Chinese Academy of Sciences

Date: 15:00-15:25

L10

ST8Sia5, A new polysialic acid-synthesizing enzyme in brain

Chihiro SATO

iGCORE, Nagoya University

Date: 15:25-15:50

L11

Biomass-Derived Sugar Hydrolysates Toward Biodegradable Polyester Organogels for Hydrophobic Topical Drug Delivery

Rusli Daik

University Kebangsaan Malaysia

Date: 15:50-16:15

Session 4 M

Session Chair: Ronge Xing, Chinese Academy of Sciences, China

Mukram Mohamed Mackeen, University Kebangsaan Malaysia, Malaysia

Sunday, October 4, 2026 | 16:30-18:00 | Main Hall

S11	Potential Carbohydrate Active Enzyme (CAZy's) as cell wall degrading enzymes against Mycobacterial Ni Nyoman Tri Puspaningsih Universitas Airlangga Date: 16:30-16:48
S12	The Role of Carbohydrase in Biomass Conversion for Raw Material of Bioenergy Kartika Dwi Asni Putri Universitas Airlangga Date: 16:48-17:06
S13	Glycocin-Functionalized Biodegradable CNF-PVA Films as Active Food Packaging Materials Shimona Ahlawat CSIR-Institute of Microbial Technology Date: 17:06-17:24
S14	Secreted CLEC18A interacts with sulfated glycosaminoglycans and controls clear cell renal cell carcinoma progression. Lauren Hartley-Tassell Griffith University Date: 17:24-17:42
S15	Therapeutic In Vivo Synthetic Chemistry via Glycosylated Artificial Metalloenzymes Tsung-Che Chang RIKEN Date: 17:42-18:00

Session 4 N**Session Chair: Akira Togayachi, Soka University, Japan****Rebeca Kawahara, Griffith University, Australia**Sunday, October 4, 2026 | 16:30-18:00 | Net Working Room

S16 **A Prokaryotic Expression System for the Biosynthesis of Human O-GalNAc Glycoproteins**
Han Zhang
Shanghai Jiao Tong University
Date: 16:30-16:48

S17 **Maintenance of intestinal homeostasis by sulfated mucin glycans**
Hiroto Kawashima
Chiba University
Date: 16:48-17:06

S18 **Distinct glycomic signatures in breastmilk from mothers with and without type 1 diabetes using sequential multiglycomics**
Isabella Grace Steen
Macquarie University
Date: 17:06-17:24

S19 **Multi-omics definition of the sex-specific glycoproteome of murine tissues**
Rebeca Kawahara
Nagoya University, Griffith University
Date: 17:24-17:42

S20 **Multi-omics validation of serum glycoform markers to predict septic shock severity**
Sayantani Chatterjee
Macquarie University
Date: 17:42-18:00

MONDAY, OCTOBER 5, 2026**Session 5 M****Session Chair: I-Ming Lee, NSYSU, Taiwan****Ying Zhang, Northwest University, China**

Monday, October 5, 2026 | 9:00-10:45 | Main Hall

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| S21 | Immunological activity and modulation of bacterial pseudaminic acid
I-Ming Lee
NSYSU
Date: 9:00-9:18 |
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| S22 | Reduction of charged glycoconjugates in TANGO2 KO mouse brain
Edward Moh
Macquarie University
Date: 9:18-9:36 |
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| S23 | Mucin-like domains as glycosylation sites for engineered cytokines
Kajal Kamboj
University of Alberta
Date: 9:36-9:54 |
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| S24 | Architects of the brain glycome: Mapping glycosidases, transferases, and glycan diversity in the mouse brain
Sagar Dalal
Macquarie University
Date: 9:54-10:12 |
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| S25 | GlycoChat Reveals the Comprehensive Landscape of Glycan-Mediated Cell–Cell Communication in Pancreatic Cancer
Anh Xuan Tuan Dinh
University of Tsukuba
Date: 10:12-10:30 |
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Session 5 N

Session Chair: Siro Simizu, Keio University, Japan

Sukanya Luang, Khon Kaen University, Thailand

Monday, October 5, 2026 | 9:00-10:45 | Net Working Room

S26	Human Milk Glycome and Its Functional Implications for Infant Health Jaehan Kim Chungnam National University Date: 9:00-9:18
S27	Glycan-Encoded Structural Dynamics and Functional Regulation of Immunoglobulin G Saeko Yanaka Institute of Science Tokyo Date: 9:18-9:36
S28	Lewis-type N-glycans predict liver metastasis recurrence in colorectal cancer patients Paula Nissen Macquarie University Date: 9:36-9:54
S29	Oral absorption and transport mechanisms of polysaccharides in Traditional Chinese Medicine Wenfeng Liao Chinese Academy of Sciences Date: 9:54-10:12
S30	Antihyperglycaemic Activity of Different Plant Parts of Moringa oleifera Lam Mukram Mohamed Mackeen University Kebangsaan Malaysia Date: 10:12-10:30

Session 6

Session Chair: Xiaodong Gao, Institute of Process Engineering, China

Monday, October 5, 2026 | 11:00-12:15 | Main Hall & Net Working Room (Satellite)

L12	Identification of genes encoding DLO-PP'ase Tadashi Suzuki RIKEN Date: 11:00-11:25
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L13 **The Hexosamine Biosynthetic Pathway Controls Cellular Sensitivity to Cuproptosis**
Yuanyuan Ruan
Fudan University
Date: 11:25-11:50

L14 **Unique domains and regulatory mechanisms of glycosyltransferases**
Yasuhiko Kizuka
iGCORE, Gifu University
Date: 11:50-12:15

AIST-AGS Special Session

Session Chair: Hiroaki Tateno, AIST, Japan

Yasuhiro Kajihara, The University of Osaka, Japan

Monday, October 5, 2026 | 15:15-16:45 | Main Hall

K-3 **Synthesis as an Enabling Technology for Understanding Glycan Biosynthesis and Function**
Todd L Lowary
Academia Sinica
Date: 15:15-15:45

K-4 **The discovery and development of novel anti-viral drug candidates**
Mark von Itzstein
Griffith University
Date: 15:45-16:15

L15 **Development of Human Endo-O-sulfatase Inhibitors against Pancreatic Cancer and Cholangiocarcinoma**
Shang-Cheng Hung
Academia Sinica
Date: 16:15-16:40

Session 7

Session Chair: Hyun Joo An, Chungnam National University, Korea

Monday, October 5, 2026 | 17:00-18:15 | Main Hall & Net Working Room (Satellite)

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| L16 | <p>Lectin-based approaches for the discovery and detection of tumor-associated glycans</p> <p>Atit Silsirivanit</p> <p>Khon Kaen University</p> <p>Date: 17:00-17:25</p> |
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| L17 | <p>N-glycolylneuraminic acid (Neu5Gc) as a carbohydrate cancer biomarker</p> <p>Michael P Jennings</p> <p>Griffith University</p> <p>Date: 17:25-17:50</p> |
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| L18 | <p>Synthesis of Bacterial Lipopolysaccharides to Study the Structure-Immunomodulatory Activity Relationships</p> <p>Chun-hung Lin</p> <p>Academia Sinica</p> <p>Date: 17:50-18:15</p> |
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TUESDAY, OCTOBER 6, 2026

Session 8 M

Session Chair: Yoshiyuki Manabe, The University of Osaka, Japan

Pei-Jhen Li, National Chung Cheng University, Taiwan

Tuesday, October 6, 2026 | 9:00-10:45 | Main Hall

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| S31 | <p>Precision Synthesis and Structure-Activity Relationship Studies for Drug Lead Discovery and Chemical Biology</p> <p>Daisuke Takahashi</p> <p>Keio University</p> <p>Date: 9:00-9:18</p> |
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| S32 | <p>Controlling Stereoselective O- and N-Sialylation with Fluoro- and Chloro-Sialyl Donors</p> <p>Pei-Jhen Li</p> <p>National Chung Cheng University</p> <p>Date: 9:18-9:36</p> |
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Chemical Biology of Linkage-Edited Glycans**S33****Makoto Yoritake**

Kyushu University

Date: 9:36-9:54**S34****Harnessing Electrophilic Reactivity on Gold Nanoparticles for Exploring Carbohydrate-Binding Proteins****Kaori Sakurai**

Tokyo University of Agriculture and Technology

Date: 9:54-10:12**S35****Synthesis of Heparan Sulfate Hexadecasaccharides and their Molecular Interaction with Mycobacterial Heparin-Binding Hemagglutinin for the Detection of Mycobacterium tuberculosis****Cheng Hsiu Chang**

Academia Sinica

Date: 10:12-10:30**Session 8 N****Session Chair: Seung-Yeol. Park, KAIST, Korea****Orasa Panawan, Khon Kaen University, Thailand**

Tuesday, October 6, 2026 | 9:00-10:45 | Net Working Room

S36**Glycan-dependent signaling through PTP σ and Toll-like receptors regulates axonal regeneration****Kazuma Sakamoto**

Aichi Developmental Disability Center

Date: 9:00-9:18**S37****Unveiling the glycobiology of cholangiocarcinoma stem cells: sialylation as a key mediator of stemness and drug resistance****Orasa Panawan**

Khon Kaen University

Date: 9:18-9:36**S38****ST6GAL1-mediated sialyl linkage switching drives cancer-promoting α 2,6-sialo-2protrusions radiating from anti-inflammatory TAMs****Priya Dipta**

iGCORE, Nagoya University

Date: 9:36-9:54

Glycosylation at the Crossroads: Computational-Experimental Investigation of Glycan Regulation by Oncogenic Cellular Signalling Pathways

S39**Ujala Bashir**

University of Gothenburg

Date: 9:54-10:12

Ex vivo and multi-glycomic imaging of the retina

S40**Jaclyn Swan**

La Trobe University

Date: 10:12-10:30

Session 9

Session Chair: Kumpei Yano, The University of Osaka, Japan

Tuesday, October 6, 2026 | 11:00-12:15 | Main Hall & Net Working Room (Satellite)

CH- π interactions of pyranosides - chemical shift perturbations induced by arenes

L19**Amit Basu**

Brown University

Date: 11:00-11:25

Site-selective photobromination of carbohydrates – synthesis and applications

L20**Vito Ferro**

The University of Queensland

Date: 11:25-11:50

Post-Click Functionalization Tool in Glycoscience: Cu(I)-Catalyzed Tandem Synthesis of Bis(1,2,3-triazoles) and Tetra-kis (1,2,3-triazole) Glycoconjugates

L21**VINOD KUMAR TIWARI**

Banaras Hindu University

Date: 11:50-12:15

Session 10

Session Chair: Issaku Yamada, The Noguchi Institute, Japan

Tuesday, October 6, 2026 | 13:00-14:30 | Main Hall

Bridging Database Search and Full De Novo Sequencing for Unbiased Glycopeptide Identification

S41**Weiping Sun**

Bioinformatics Solutions Inc.

Date: 13:00-13:18

Decoding Altered Glycoproteomic Landscapes via Targeted Perturbation of N-Glycan Processing Pathways**S42****Yi-Ju Chen**

National Yang Ming Chiao Tung University

Date: 13:18-13:36

Machine Learning-Integrated Multi-Omics Identifies NAGLU-Centered Heparan-Sulfate Catabolism and Glycosaminoglycan Remodeling in Glioblastoma**S43****Chih-Yang Wang**

Taipei Medical University

Date: 13:36-13:54

Community-driven enhancement of data resources for glycan-binding molecules: Highlights from the 3rd GlyCosmos Jamboree**L22****Kiyoko F Aoki-Kinoshita**

Soka University

Date: 13:54-14:19
