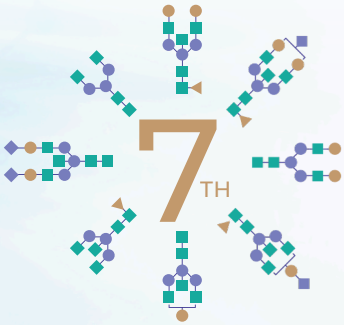



# 7th Meeting of the Human Glycome Project

## Split, Croatia, November 12–14, 2026

CONSOLIDATING AN APPROACH IN PERSONALISED AND PREVENTIVE MEDICINE

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## Welcome to the 7th Meeting of the Human Glycome Project
## Celebrating Ten Years of the HGP Community

Ten years have passed since we first gathered in Dubrovnik in 2016, united by an ambitious idea: to bring the international glycoscience community together and advance our understanding of the human glycome.

Over the past decade, that idea has grown into a strong and truly international network. Together, we have connected researchers across disciplines and countries, supported new collaborations and helped place glycomics at the centre of research into human health and disease. Looking back, we can be proud of how far our community has come — and even more excited about where we can go next.

This year also marks an important new chapter, as we hold our first joint meeting with the Human Glycome Project community in China. By connecting our meetings in Split and Beijing, we are bringing our scientific communities closer together and opening new opportunities for exchanging knowledge, building collaborations and developing future joint initiatives.

The programme reflects the remarkable breadth of our field, with sessions dedicated to diabetes and cancer, neuroglycobiology, immunology, analytical glycoscience and translational glycomics.

Once again, we are meeting at the beautiful Le Méridien Lav in Split. I hope the coming days will bring inspiring science, open discussions, new connections and, just as importantly, time to enjoy being together as a community.

Welcome to Split and to the 7th Meeting of the Human Glycome Project. Thank you for being part of this community and for contributing to its growth over the past ten years.

Gordan Lauc



# Thursday, November 12th, 2026

## Session 1: Diabetes and Cancer — Chair: Gordan Lauc

| TIME | SPEAKER | INSTITUTION | TITLE |
|---|---|---|---|
| 14:00 | Gordan Lauc | *Genos* | Opening of the 7th Meeting of the Human Glycome Project |
| 14:10 | Jordi Merino | *University of Copenhagen* | Reading physiology from continuous glucose dynamics |
| 14:40 | Juan Rojas | *Leiden University Medical Center* | Curation of N-Glycoproteomics Data: Less but certain is better than big numbers |
| 15:00 | Ana Cvetko | *Genos* | N-Glycosylation Across the Spectrum of Glucose Dysregulation: What the Glycome Reveals |
| 15:20 | Catherine Bannon | *Maynooth University* | Characterisation of the Natural Killer cell N-glycome and responses to tumour cell and cytokine stimulation |
| 15:40–16:00 | | | Coffee Break |

## Session 2: Neuroglycobiology — Chair: Tomislav Klarić

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|---|---|---|---|
| 16:00 | Ugnė Kuliešiūtė | *Life Sciences Center, Vilnius University* | Synaptic glycome remodelling in human neural circuit disorders: a synaptosome-based study of resected brain tissue |
| 16:20 | Camille Hours | *Université Paris Cité* | Remodelling of the fetal brain N-glycome under adverse gestational conditions |
| 16:40 | Cyril Hanus | *Institute of Psychiatry and Neurosciences of Paris, INSERM* | Bypass of the neuronal Golgi apparatus tunes synaptic receptor glycosylation and function |

## Session 3: 4th SynHealth Networking Workshop

| | | | |
|---|---|---|---|
| 17:20 | Ivana Gulišija<br>Primož Kocbek | *Genos*<br>*University of Maribor* | Introduction and SynHealth Overview |
| 17:30 | Marko Mimica | *NetHub* | Building a Connected Health Innovation Ecosystem Across Southeast Europe |
| 17:45 | Miloš Kostić | *Tecnalia Research and Innovation* | 6SAVA Project – Boosting Regional Collaboration and Market Access for Research Organisations |
| 18:00 | | | Open Networking and Informal Discussion |
| 19:00 | | | Working Dinner |

# Friday, November 13th, 2026

**Session 4: Immunology I** — Chair: Irena Trbojević Akmačić

| TIME | SPEAKER | INSTITUTION | TITLE |
|---|---|---|---|
| 09:00 | Claudio Franceschi | *University of Bologna* | Personalized aging/longevity and Inflammaging |
| 09:30 | Yannick Hartmann | *Department of Biology, Friedrich-Alexander University* | Sialic acids as key regulators of B cell function and antibody class switching |
| 10:00 | Gordan Lauc | *Genos* | Translating Glycomics into Actionable Diagnostic Biomarkers |
| 10:30 | Barbara Radovani Trbojević | *Genos* | A decade of IgG glycans in cardiovascular disease: has one signal been there all along? |
| 10:50 | Xiaolian Zhang | *Wuhan University* | Glycosylation in infection and immunity against important human intracellular pathogens: mechanisms and potential applications |
| 11:10–11:30 | | | Coffee Break |

**Session 5: Immunology II** — Chair: Yurii Aulchenko

| | | | |
|---|---|---|---|
| 11:30 | Vered Padler-Karavani | *Tel Aviv University* | The role of sialoglycans in human diseases |
| 12:00 | Yurii Aulchenko | *GSK* | Human protein N-glycosylation: insights from genetic variation |
| 12:30 | Sara Monteiro-Martins | *Institute of Epidemiology and Prevention, University of Freiburg* | Genetic Determinants of IgA Glycosylation: Insights from the German Chronic Kidney Disease Study |
| 12:50 | Gábor Járvás | *University of Pannonia* | High-Fidelity N-Glycosylation Analysis through Advanced Sample Preparation and Separation Strategies |
| 13:10 | Xiaodong Gao | *Institute of Process Engineering, CAS* | Antiserum-Based Detection of AFP-L3 for Precise Hepatocellular Carcinoma Diagnosis and Surveillance |
| 13:30 | Special announcement: Wei Wang – Introduction to the Glycomedicine Special Issue of Engineering | | |
| 13:35–15:00 | | | Lunch and networking time |

## Session 6: Analytics I

Chair: Manfred Wuhrer

| TIME | SPEAKER | INSTITUTION | TITLE |
|---|---|---|---|
| 15:00 | Kan Ding | *Shanghai Institute of Materia Medica, CAS* | Glycoproteomics-based Insights into Drug-Resistant Epilepsy |
| 15:20 | Xinshan Ye | *Peking University* | Automated solution-phase glycan synthesis |
| 15:40 | Manfred Wuhrer | *Leiden University Medical Center* | Plasma N-glycome disease signatures |
| 16:00 | Rebeka Török | *University of Pannonia* | Predicting Chemotherapy Response in Lung Cancer Using AI-Supported Serum N-Glycomics |
| 16:20 | Frédérique Lisacek | *SIB Swiss Institute of Bioinformatics, University of Geneva* | How can we build and coordinate our AI-readiness within HGP |
| 16:40 | Erdmann Rapp | *Max Planck Institute Magdeburg* | xCGE-LIF-based glycoprofiling of total plasma and extracellular vesicles N-glycomes of lung cancer |
| 17:00 | Róisín O'Flaherty | *Maynooth University* | Improving Glycan Analysis for Human Health: Greener Labelling and New Analytical Tools |
| 17:20–19:00 | | | Networking time |
| 19:00 | | | Working Dinner |

# Saturday, November 14th, 2026

## Session 7: Analytics II — Chair: Manfred Wuhrer

| TIME | SPEAKER | INSTITUTION | TITLE |
|---|---|---|---|
| 09:00 | Dalma Dojcsák | *University of Miskolc* | Cross-Platform N-Glycomics: From Total Serum to IgG in Clinical Research |
| 09:20 | Paweł Link-Lenczowski | *Jagiellonian University Medical College* | Modulation of N-glycome dynamics during intestinal epithelial differentiation in vitro |
| 09:40 | András Guttman | *University of Debrecen and University of Pannonia* | Postpartum alterations in maternal serum IgG and IgA N-glycosylation in relation to obesity and gestational diabetes mellitus |
| 10:00 | Ying Zhang | *Fudan University* | Analytical Toolbox for Decoding the Glycan Code toward Biomarker Discovery |
| 10:20 | Shifang Ren | *Fudan University* | Glycome-Wide Internal Standards Expand the Capabilities of Quantitative Glycomics |
| 10:40–11:00 | | | Coffee Break |

## Session 8: GlycanAge and Translational Glycomics — Chair: Nina Šimunić Briški

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|---|---|---|---|
| 11:00 | Aleksandar Vojta | *University of Zagreb* | Application of Deep Learning to Glycome Analysis |
| 11:20 | Elvira Mass | *University of Bonn* | Hidden in plain sight: how microplastics cause macrophage dysfunction and metabolic disease |
| 11:40 | Borna Rapčan | *Genos* | From Precision to Automation: Tools and Applications in IgG Glycomics |
| 12:00 | Dora Lalić | *GlycanAge* | GlycanAge: From research to clinical application |
| 12:20 | Closing remarks | | |
| 12:30–14:00 | | | Lunch and networking time |

## SynHealth

| | |
|---|---|
| 14:00–15:00 | SynHealth General Assembly Meeting |

# General Information

## VENUE

Le Méridien Lav Hotel
Grljevačka 2a, 21312 Podstrana,
Split, Croatia

## DATES

November 12–14, 2026

## REGISTRATION DESK OPENING HOURS

**Thursday**
November 12th, 2026:
13:00 – 17:00

**Friday**
November 13th, 2026:
08:30 – 17:00

**Saturday**
November 14th, 2026:
08:30 – 13:30

## PROFESSIONAL CONGRESS ORGANIZER (PCO)

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# See you in 2027

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