



## Inserm Workshop 285

**Le sucre et la vie : émergence de la glycobiologie en santé et physiopathologie**  
**Glycobiology: the sweet side of life in health and disease**

**15-17 octobre 2025 / October 15-17, 2025** ■ **Bordeaux, France**

Mercredi 15 octobre 2025 ■ **Wednesday October, 15<sup>th</sup> 2025**

|                  |  |
|------------------|--|
| 15:30 - 16:00    | <b>Reception of participants</b>   |
| 16:00 - 16:15    | Welcome and presentation by the organizers   |
| <b>SESSION I</b> | <b>Fundamentals of Glycobiology: Structure, Biosynthesis, Functions of Glycans</b>   |
| 16:15 - 17:00    | Glycan Diversity and Functions<br><b>Yann Guerardel (CNRS, Université de Lille, Lille, France) &amp; Sandrine Gulberti (University of Lorraine, Nancy, France)</b> |
| 17:00 - 17:30    | <b>Coffee break</b>  |
| 17:30 - 18:15    | Biosynthesis of Glycans<br><b>Catherine Bui (University of Lorraine, Nancy, France)</b>  |
| 18:15 - 19:00    | Principles of Glycan Recognition<br><b>Anne Imbert (CERMAV, Grenoble, France)</b>  |
| 19:30            | <b>Dinner</b>  |

Jeudi 16 octobre 2025 ■ **Thursday October, 16<sup>th</sup> 2025**

|                   |  |
|-------------------|--|
| 06:30 - 08:30     | <b>Breakfast</b>   |
| <b>SESSION II</b> | <b>Roles of Glycans in Human Pathologies</b>   |
| 08:30 - 09:15     | The functionality of the cancer glycome: novel insights and clinical implications<br><b>Celso Reis (i3S, University of Porto, Porto, Portugal)</b> |
| 09:15 - 10:00     | Glycans in Parasitic Infections<br><b>Boualem Sendid (CHU, Université de Lille, Lille, France)</b>   |
| 10:00 - 10:30     | <b>Coffee break</b>  |
| 10:30 - 11:15     | Genetic and Congenital Disorders of Glycosylation<br><b>François Foulquier (CNRS, Université de Lille, Lille, France)</b>                          |
| 11:15 - 12:00     | Glycans at the frontiers of chronic inflammation, autoimmunity and cancer<br><b>Salomé Pinho (i3S-University of Porto, Portugal)</b>               |
| 12:00 - 14:00     | <b>Lunch</b>   |

| <b>SESSION III</b> | <b>Translational Glycobiology</b>   |
|--------------------|---|
| 14:00 - 14:45      | Glycans as Clinical Biomarkers<br><b>Fredrik Noborn (University of Gothenburg, Gothenburg, Sweden)</b>                                      |
| 14:45 - 15:30      | Glycan targeting Molecules for Precise Cancer Therapy<br><b>Heinz Läubli (University of Basel, Basel, Switzerland)</b>                      |
| 15:30 - 16:00      | <b>Coffee Break</b>   |
| 16:00 - 16:45      | Glycan-based Vaccines for Infectious Diseases and Cancer<br><b>Yvette van Kooyk (Amsterdam UMC, Amsterdam, The Netherlands)</b>             |
| 16:45 - 17:30      | Novel Drugs from complex Sugars<br><b>Jeremy Turnbull (Keele University, Staffordshire, United Kingdom)</b>                                 |
| 17:30 - 18:15      | Application of High Throughput Glycomics Towards Biomarkers Discovery<br><b>Manfred Wuhrer (Leiden University, Leiden, The Netherlands)</b> |
| 19:30 - 20:15      | <b>Panel discussions &amp; Cocktail</b>   |
| 20:15              | <b>Dinner</b>   |

Vendredi 17 octobre 2025 ■ **Friday October, 17<sup>th</sup> 2025**

|                   |   |
|-------------------|---|
| 06:30 - 08:30     | <b>Breakfast</b>  |
| <b>SESSION IV</b> | <b>How should we approach the study of glycans?</b>   |
| 08:30 - 09:15     | Reading and Writing the Human Glycocode using Genetic Tools<br><b>Hans Wandall (Copenhagen Center for Glycomics, Copenhagen, Denmark)</b> |
| 09:15 - 10:00     | Functional Glycoproteomics Towards Precision Medicine<br><b>Muriel Bardor (University of Rouen, Rouen, France)</b>                        |
| 10:00 - 10:30     | <b>Coffee Break</b>   |
| 10:30 - 11:15     | Bioorthogonal Precision Tools to address the Human Glycoproteome<br><b>Ben Schumann (Imperial College London, United Kingdom)</b>         |
| 11:15 - 12:00     | Semantic integration of glycoscience knowledge<br><b>Kiyoko Aoki-Kinoshita (Soka University, Tokyo, Japan)</b>                            |
| 12:00 - 12:15     | <b>Concluding remarks</b>   |
| 12:15 - 14:00     | <b>Lunch</b>  |
| 14:00             | <b>Departure</b>  |