



Glyco@Alps
Université Grenoble Alpes

UGA
Université
Grenoble Alpes

Glyco@Alps Scientific Days 2025

PROGRAM

Thursday 9 October

09:30 Welcome & coffee

10:00 Romain Vivès, introduction

10:10 **Invited lecture - Hugo Voisin**
BIA (INRAE) Nantes, France
Nanocellulose-Xyloglucan assembly
behavior and their interaction with endo-
glucanase enzyme

10:40 **Emma Colombari**
LGP2, Grenoble
Production of fibre-based raw earth
composites for indoor housing

11:00 **Poster Flash presentation 1**

11:15 **Niusha Safari**
LGP2, Grenoble
Wood Hemicellulose Oligosaccharides:
Evaluation of Their Prebiotic Properties

11:35 **Invited lecture - Rachel Hevey**
Univ Basel, Switzerland
Mucus-inspired glycans as a novel
therapeutic approach for treating
infections

12:05 **Nathalie Berthet**
DCM, Grenoble
Cell surface engineering for diagnostic or
therapeutic applications

12:25 **Poster Flash presentation 2**

12:40 Lunch & poster session

14:30 **Valentine Aho**
IBS, Grenoble
Structural and functional effects of
CXCL12-HS interaction at cell surface

14:50 **Mai NGuyen**
IBS, Grenoble
Assembly of Teichoic Acid and
Peptidoglycan at the Nanoscale

15:10 **Invited lecture - Ana Gimeno**
CIC BioGune, Bilbao, Spain
New NMR approaches to study glycan-
lectin interactions

15:40 **Elisa Migliorini**
CEA/Biosanté, Grenoble
Biomimetic materials presenting
extracellular matrix components to
study bone morphogenetic protein
bioactivity

16:00 **Frédéric Pignon**
LRP, Grenoble
*Othotropic cellulosic based composites
for cartilage tissue engineering*

16:20 **Joao Cosas**
CERMAV, Grenoble
Interface Chemical Characterization of
Nanocomposites via Photo-Induced
Force Microscopy

16:40 Glyco@Club activities (C. Breton)

16:50 Coffee & poster session

FREE REGISTRATION REQUIRED BEFORE 25 SEPTEMBER

<https://framaforms.org/glycoalps-scientific-day-november-28th-2024-registration-form-1729174546>





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Friday 10 October

08:45 Welcome

09:00 **Invited lecture - Roland Kadar**
Chalmers, Goteborg, Sweden
Multiscale analysis in simple and not-so-simple flows

09:30 **Yadiel Vasquez**
Cermav/Max Planck, Grenoble/Potsdam
De novo design of glycan foldamers based on a semi-rigid trisaccharide

09:50 **Cécile Sillard**
LGP2, Grenoble
Development of 100% biodegradable and biobased menstrual napkins

10:10 **Jean-Marc Leveque**
LRP, Grenoble
Production of Bioplastics from pure Starch and Starchy Waste under Reactive Extrusion in Deep Eutectic Solvent medium

10:30 Coffee break

11:00 **Invited lecture - Agata Zykwska**
IFREMER, Nantes, France
A hierarchically structured thermoresponsive hydrogel based on glycosaminoglycan-mimetic infernan for tissue repair

11:30 **David Goyard**
DCM, Grenoble
Screening of multivalent ligands for carbohydrate-binding proteins by microarray

11:50 **Michel Thépaut**
IBS, Grenoble
MGL clusters against cancer

12:10 **Invited lecture - Xevi Biarnes**
Univ. Ramon Llull, Barcelona, Spain
Engineering carbohydrate active enzymes through data mining and computer simulations

12:40 **Emeline Richard**
Cermav, Grenoble, France
Metabolic engineering of Escherichia coli towards new sugar-based anti-microbial agents

13:00 Lunch

14:00 **Stasa Velickovic**
CEA/MEM, Grenoble
Methodological development in sensitivity-enhanced solid-state NMR for the study of a glycosulfatase

14:20 **Lukas Gajdos**
ILL, Grenoble
Illuminating sugar binding by Pseudomonas aeruginosa lectins with neutron crystallography

14:40 **Keynote lecture - Ralf Richter**
University of Leeds, UK
Molecular recognition across our cells' sugary coat

15:20 **Romain Vivès - Glyco@Alps3**

15:40 Conclusion & end of the meeting

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