



**PROGRAMME DES 30^{EMES} JOURNEES DU GFG
MAS DE SABOTH, LOT – DU 18 AU 22 MAI 2026**

Lundi 18 Mai

16h00-18h00 Accueil – café

Modérateur : Jérôme Nigou

18h00-18h15 Ouverture des 30^{èmes} Journées du GFG

18h15-18h45 CI-01. **Marcelo Guerin** - *Molecular basis of glycogen metabolism regulation in bacteria*

18h45-19h15 CI-02. **Laurence Mulard** - *Synthetic glycan-based vaccines to combat shigellosis: proof of concept in infants and beyond*

19h30 Cocktail de bienvenue

20h00 Dîner

Mardi 19 Mai

Modérateur-riche : Laurence Mulard & Romain Vivès

9h00-9h30 CI-03. **Alexiane Decout** - *Glycan-mediated host-microbiome interactions in women's reproductive health*

9h30-9h45 CO-01. **Amuda Manikandan** - *Synthetic Lipid A disaccharide mimetics for modulating neuroinflammation*

9h45-10h05 CO-02. **Yoann Rombouts** - *Unraveling the role of the C-type lectin DCIR in immunity: From ligand discovery to therapeutic antibody development*

10h05-10h15 Présentations flash par sponsors – Eurobio
Büchi

10h15-10h45 Pause café

Modérateur-riche : Marie Schuler & Thierry Fontaine

10h45-11h15 CI-04. **Philippe Compain** - *From seredipitose to superoses: the game of design and chance through glycochemical space*

11h15-11h30 CO-03. **Cyrille Grandjean** - *New generation of glycoconjugate vaccines using pneumococcus as an infection model*

Modérateur : Yoann Rombouts

11h30-12h15 Présentations flash des posters

12h30-14h00 Pause repas

14h00-16h00 Session posters

16h00-16h30 Pause café

Modérateur-riche: Yoann Rombouts & Emeline Richard Millot

16h30-17h00 CI-05. François Foulquier - Congenital disorders of glycosylation (CDG): A genetic window into fundamental glycobiology

17h00-17h15 CO-04. Marie Morel - A new pathogenic variant in SLC35C1 impairs GDP-Fucose transport: Diagnostic and therapeutic implications

17h15-17h30 CO-05. Thierry Fontaine - β -1,6-glucan, an unexplored and critical cell wall polymer of *Candida albicans*

17h30-17h45 CO-06. Devon Kavanaugh - Biochemical characterization of the *Escherichia coli* surfaceome: a focus on type I fimbriae and flagella

17h45-18h00 CO-07. Leïla Bechtella - Structural analysis of glycopeptides using cyclic ion mobility spectrometry and tandem MS techniques

20h00 Dîner

Mercredi 20 Mai

Modérateur-riche : Yves Blériot & Christelle Breton

9h00-9h30 CI-06. Stéphane Vincent - Glycomimetics as probes for bacterial and viral infections

9h30-9h45 CO-08. Clara de la Tramblais - Synthesis and study of multivalent glycoclusters by dynamic combinatorial chemistry

9h45-10h00 CO-09. Corinne Lepetit - Multivalent galabiosyl-based oligosaccharide glycoclusters as anti-adhesive inhibitors of *Pseudomonas aeruginosa*

10h00-10h15 CO-10. David Goyard - Screening of multivalent ligands for carbohydrate-binding proteins by microarray

10h15-10h30 CO-11. Jonathan Berry - Orthogonal photoswitching in a bis-azobenzene glycomacrocycle

10h30-11h00 Pause café

Modérateur-riche : François Foulquier & Sandrine Gulberti

11h00-11h30 CI-07. Zoeisha Chinoy - Inherent selectivities of ST6GALNAC1 for syndone-Linked O-glycans

11h30-11h45 CO-12. Elodie Mathieu-Rivet - Engineering the N-glycosylation pathway in *Chlamydomonas reinhardtii* to produce humanized glycoproteins

11h45-12h00 CO-13. Daphné Gonnet - Modulating selectivity in glycoside hydrolases

12h00-12h15 CO-14. Clarisse Gosset-Erard - Deciphering structure-affinity relationships of cathepsin K-glycosaminoglycans interactions in the context of osteoporosis

12h15-12h30 **CO-15. Yannick Malbert** - *Innovative Fermentation Platform for Active Oligosaccharide Manufacturing*

12h45-14h15 **Pause repas**

Après-midi libre ou visite de Saint-Cirq-Lapopie (14h30-18h30)

20h00 **Dîner**

Jeudi 21 Mai

Modérateur-riche : David Bonnaffé & Caroline Nugier-Chauvin

9h00-9h30 **CI-08. Vincent Ferrières** - *A pint of furanosides*

9h30-9h45 **CO-16. Mohammad Krayani** - *Development of a nanomolar inhibitor of NagZ, an enzyme involved in the antibioresistance of *P. aeruginosa**

9h45-10h00 **CO-17. Marie Schuler** - *Synthesis of exo-iminoglycals by gold-catalyzed hydroamination*

10h00-10h15 **CO-18. Jérôme Désiré** - *Azalevo-glucosan, a usefull scaffold to reach iminosugars with high structural diversity*

10h15-10h45 **Pause café**

Modérateur-riche : Isabelle André & Patrice Lerouge

10h45-11h15 **CI-09. Aria Gheeraert** - *Protein-carbohydrate interactions: from a large-scale structural analysis to deep learning-based predictions*

11h15-11h30 **CO-19. Gianluca Cioci** - *Structural investigations of CAZymes for the synthesis of biopolymers*

11h30-11h45 **CO-20. Arsène Kossov** - *Effect of a single water molecule on the structure of a mannose photosensitizer model and mannose-glutamic acid molecular complex in the gas phase*

11h45-12h00 **CO-21. Cédric Montanier** - *How can we probe the dynamic mechanisms involved in the multienzymatic deconstruction of plant biomass?*

12h15-13h45 **Pause repas**

14h00-16h00 **Session posters**

16h00-16h30 **Pause café**

Modératrice : Stéphanie Norsikian

16h30-17h00 **Prix Bernard Fournet – André Verbert**

Mathieu Decloquement - *Writers and readers of sialylation: From sialyltransferases enzymatic specificities to Siglecs and their ligands in cancer*

Ahmed El Rhaz - *Synthesis of thioglycoside glycomimetics as *Pseudomonas aeruginosa* lectin ligands*

17h00-17h30 **Prix du GFG**

CI-10. Rebekka Wild - *Unraveling the step-by-step biosynthesis of glycosaminoglycans at atomic resolution*

17h30-18h30 **Assemblée générale du GFG**

19h00 **Apéritif**

20h00 **Remise des prix des communications orales et des posters**
Dîner de gala

Vendredi 22 Mai

Modérateur·rice: Régis Fauré & Aria Gheeraert

9h00-9h30 **CI-11. Bastien Bissaro** - *On the road with carbohydrate oxidases: mechanistic pit stops and functional destinations*

9h30-9h45 **CO-22. Sandrine Gulberti** - *The glycosyltransferase β 4GalT7 as a potential target for substrate reduction therapy in mucopolysaccharidoses*

9h45-10h00 **CO-23. Aurore Labourel** - *Exploring the substrate specificity of tandem repeat SusCD transporters (and beyond?)*

10h00-10h15 **CO-24. Emeline Fabre** - *Mycobacterium tuberculosis MtPMT mechanistic insights reveal a WW-like domain and anti-virulence inhibitors*

10h15-10h45 **Pause café**

Modérateur·rice: Jérôme Nigou & Stéphanie Norsikian

10h45-11h15 **CI-12. Samir Messaoudi** - *New catalytic methods for carbohydrate functionalization*

11h15-11h30 **Clôture du GFG30 et quelques mots sur le GFG31**

11h30-12h30 **Repas et départ**