

Program of the 30th Joint Glycobiology Meeting

Sunday October 27

16:00-18:00	Registration desk open
18:30-19:30	Conference opening: Dr Robert Sackstein (Florida International University, Miami, USA) O1. Cell Surface Glycoengineering: Applying GPS to CAR T-cells.
19:30-22:00	Reception

Monday October 28

8:00-8:45	Registration-Mounting of posters
8:45-9:00	Welcome to the 30th Joint Meeting François Foulquier, Sophie Groux-Degroote, Marie-Ange Krzewinski-Recchi (UGSF, Lille, France)
SESSION 1	Glycobiotechnology Chair : Stéphane Vincent
9:00-9:35	Invited Lecture: Pr. Manfred Wuhrer (Leiden University Medical Center, Leiden, the Netherlands) O2. N-glycome signatures in human plasma: associations with physiology and major diseases.
9:35-9:55	Joost Snijder (Utrecht) O3. Integrating MS and cryoEM to monitor glycosylation of viral antigens and its role in antigen-antibody interactions.
9:55-10:15	Johannes Gottschalk (Aachen) O4. Comprehension and regulation of one-pot enzymatic synthesis of high molecular weight hyaluronic acid.
10:15-10:35	Angela van Diepen (Leiden) O5. Glycomic analysis of the filarial nematode <i>Brugia malayi</i> and characterization of anti-glycan antibody responses during infection.
10:35-11:00	Coffee break
11:00-11:20	Manuel Dauchez (Reims) O6. Umbrella Visualization: a 3D tool bringing valuable information about proteins/glycosylations interplay.
11:20-11:40	Viktorija Heine (Aachen) O7. Directing fucose to the desired binding site – reaction of bacterial α 1,3-fucosyltransferases with di-N-acetyllactosamine (di-LacNAc).
11:40-12:00	Mathieu Decloquement (Lille) O8. Molecular phylogeny and exogenous sialylation approaches identify a novel α 2,8-sialyltransferase in zebrafish: ST8Sia VIII.
12:00-12:06	Sponsor presentations (2min talk) e-Zyvec, Glycodiag and PAGès
12:06-13:30	Lunch break and poster session
SESSION 2	Glycans and diseases Chair : Dulce Papy-Garcia
13:30-14:05	Invited Lecture: Prof Celso Reis (IPATIMUP, Porto, Portugal) O9. Altered glycosylation in Cancer – targeting tumor heterogeneity and therapeutic implications.

14:05-14:25	Ninon Very (Lille) O10. O-GlcNAcylation of Thymidylate Synthase: a new regulatory mechanism of 5-Fluorouracil chemotherapy response in colorectal cancer?
14:25-14:45	Veronika Weber (Halle (Saale)) O11. The effect of glycation on the permeability of human blood-brain barrier.
14:45-15:05	Erika Coletto (Norwich) O12. The role of mucin glycosylation in the communication between the gut microbiota and the brain.
15:05-15:25	Anne-Sophie Roy (Lille) O13. The lack of SPCA1 functionality in Hailey-Hailey disease patients' cells leads to a hyper Mn ²⁺ -induced TMEM165 sensitivity (towards a new tool to easily diagnose these patients).
15:25-15:45	Walid Haouari (Paris) O14. Bikunin proteoglycan isoforms are convenient serum biomarkers of inherited defects in glycosaminoglycan biosynthesis and Golgi homeostasis.
15:45-16:45	Coffee break - Poster session
16:45-17:20	Invited Lecture: Dr Vincent Cantagrel (Institut Imagine, Paris, France) O15. Defective protein N-glycosylation and brain development.
17:20-17:50	Business Meeting of the Societies
19:30	Dinner (Hermitage Gantois, Lille)

Tuesday October 29

Session 3	Glycoimmunology	Chair : Cornelis H Hokke
9:00 - 9:35	Invited Lecture: Pr. Ivan Martinez Duncker (Universidad Autónoma del Estado de Morelos, Cuernavaca, Mexico) O16. CD4+ T cells: Looking out for that α 2,8 sialic acid.	
9:35 – 9:55	Tao Zhang (Leiden) O17. Glycosphingolipid repertoire profiling delineates regulation of receptor-ligand interactions.	
9:55 - 10:15	Kim F. Bornhöfft (Dummerstorf) O18. Bovine cervical mucins inhibit the release of Neutrophil Extracellular Traps (NETs) in a sialic acid-dependent manner.	
10:15 - 10:35	Samir Jawhara (Lille) O19. Fungal Chitin Treatment Restores the Anaerobic Bacteria and Reduces the Intestinal Inflammation in Mice.	
10:35 – 11:35	Coffee break and poster session	
SESSION 4	Glycans in host-pathogen interactions	Chair : Robert de Vries
11:30 - 11:50	Franz-Georg Hanisch (Cologne) O20. Oligosaccharides and Viral Infection: Human Milk Oligosaccharides versus Algal Fucan-type Polysaccharide.	
11:50 - 12:10	Lin Shen (Lille) O21. GlfH1, an endogenous remodeling galactofuranosidase that hydrolyzes mycobacterial arabinogalactan.	
12:10 – 12:30	Dimitrios Latousakis (Norwich) O22. Serine-rich repeat protein adhesins from Lactobacillus reuteri display strain specific O-glycosylation profiles.	
12:30-13:00	Concluding remarks, 31th Joint Meeting announcement and poster awards	
13:00-14:00	Lunch	