

Program 29th Joint Glycobiology Meeting

'Congrescentrum Augustijnen',

Academiestraat 1, 9000 Gent

October 21-23, 2018

Sunday, October 21 – Congrescentrum Augustijnen

18:00-19:30 Registration desk open

18:30-20:00 Welcome reception

Monday, October 22 – Congrescentrum Augustijnen

08:00-8:45 Registration desk open

08:45-9:00 Opening (Els Van Damme and Nico Callewaert)

Session 1: Protein Glycosylation

Chair: Han Remaut

09:00-9:45 *Invited lecture*

<p>Jerry Eichler, Ben Gurion University of the Negev, Israel 'Protein glycosylation in Archaea: Sweetening the extremes of life'</p>
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9.45-10:05 Narciso J. : Biochemical and functional analyses of GALT8: a CAZy GT31 Type II arabinogalactan beta-(1,3)-galactosyltransferase in *Arabidopsis thaliana*. (Versailles, France).

10:05-10:25 Scheys F. : Gender-related protein N-glycosylation in the pest insect *Nilaparvata lugens*. (Gent, Belgium).

10:25-10:45 Lassak J.M. : A sweet and unexpected key to a blocked door in protein biosynthesis. (Munich, Germany).

10:45-11:15 Coffee break

Session 2: Glycans in host-pathogen interaction

Chair: Cornelis Hokke

11:15-12:00 *Invited lecture*

<p>Nathalie Juge (Quadram Institute Bioscience, Norwich, UK) 'Glycobiology of host-microbe interactions in the gut'</p>

12:00-12:20 Rossing E. : Metabolic engineering of sialic acids to visualize and modulate host-pathogen interactions and inhibit bacterial and viral infections. (Nijmegen, The Netherlands).

12:20-12:40 Krammer E.-M. : Mutation of Tyr137 of the universal *Escherichia coli* fimbrial adhesin FimH relaxes the tyrosine gate prior to mannose binding. (Lille, France).

12:40-13:00: De Vries R. : Fluorescent trimeric hemagglutinins reveal multivalent receptor binding properties. (Utrecht, The Netherlands).

13:00-14:00 Lunch break and poster session

Session 3 Glyco-analytics

Chair: Stéphane Vincent

14:00-14:45 *Invited lecture*

**Niels Reichardt (Glycotechnology Laboratory, San Sebastian, Spain)
'Insights and Lessons from Microarray Experiments on the Glycan
Binding Specificities of Immune Receptors'**

14:45-15:05 Keser T. : Comparison of 2-aminobenzamide, procainamide and RapiFluor-MS as derivatizing agents for high-throughput N-glycan analysis. (Zagreb, Croatia).

15:05-15:25 Rossdam C. : CGE-LIF as a novel approach for the analysis of glycosphingolipid-derived glycans. (Hannover, Germany).

15:25-15:45 Momčilović A. : Simultaneous glycopeptide profiling of immunoglobulin G and A reveals glycan changes in colorectal cancer. (Leiden, The Netherlands).

15:45-16:05 Lisacek F. : Opening up prospects for bioinformatics-aided glycoscience. (Geneva, Switzerland).

16:05-16:40 Coffee break

16:05-17:30 Poster session

17:45-19:15 Social activity: City tour

19:30-22:00 Conference Dinner

Tuesday, October 23 – Congrescentrum Augustijnen

Session 4: Glyco-active enzymes

Chair: Tom Desmet

09:00-09:45 Invited lecture

<p>Sabine Flitsch (University of Manchester, UK) 'Enzymatic Synthesis of Glycoconjugates'</p>

09:45-10:05 Hütte H.J. : Characterization of mammalian C-mannosyltransferases. (Hannover, Germany).

10:05-10:25 Bird M. : Galactose restores glycosylation through replenishing activated monosaccharides in PGM1-CDG. (Leuven, Belgium).

10:25-10:45 Lebredonchel E. : Dissection of TMEM165 function in Golgi glycosylation and its Mn²⁺ sensitivity. (Lille, France).

10:45-11:15 Coffee break

Session 5: Glycobiotechnology

Chair: Nico Callewaert

11:15-11:35 Beerens K. : Biocatalytic synthesis of the rare sugar kojibiose: Process scale-up & application testing. (Gent, Belgium).

11:35-11:55 Pijnenborg J.F.A. : New chemical tools to modulate sialic acid expression and recognition. (Nijmegen, The Netherlands).

11:55-12:15 De Wachter C. : Exploring the influence of N-glycosylation on allergen-specific immunotherapy. (Gent, Belgium).

12:15-12:20 Closure and announcement of Joint Glycobiology Meeting 2019

12:30-14:00 Lunch break

Departure