

Belgian Biophysical Society

Summer school on Glycobiology

4-6 June 2008

Registration via: www.biophysics.be

Wednesday, June 4

Thursday, June 5

Friday, June 6

General topics

Glycan recognition, glycosylation and glycation Glycobiology and Disease

9.30-10:00 Welcome and coffee

Welcome and coffee

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10:00-11:00 **General view on Glycobiology**
Johannes Vliegthart
Division Bioorganic Chemistry
Bijvoet Center, Utrecht University, NL

Structure-function relation of glycan-mediated bacterial adhesion
Julie Bouckaert
Structural Biology Brussels
Vrije Universiteit Brussel and VIB, BE

Pathogen recognition by glycan-binding receptors
Kurt Drickamer
Division of Molecular Biosciences
Imperial College London, UK

11:00-11:20 Pause - Coffee

Pause - Coffee

Pause - Coffee

11:20-12:20 **NMR and protein carbohydrate interactions**
Thomas Peters
Center for Structural and Cell Biology in Medicine
University of Lübeck, GE

Glycan and lectin mediated virus entry in macrophages
Peter Delpitte
Department of Virology, Parasitology and Immunology
Ghent University, BE

Glycolipids in mycobacteria
Yann Guérardel
Unité de Glycobiologie Structurale et Fonctionnelle
Université des Sciences et Technologies de Lille, FR

13.00-14.00 Lunch and DPI demonstration 1 Farfield Scientific

Lunch and DPI demonstration 2 Farfield Scientific

Lunch and DPI demonstration 3 Farfield Scientific

14:00-15:00 **Biophysical methods to study protein-glycan interactions**
Remy Loris
Structural Biology Brussels
Vrije Universiteit Brussel and VIB, BE

Humanization of Pichia N-glycosylation: integrated engineering and case studies
Pieter Jacobs
VIB Department for Molecular Biomedical Research,
Ghent University and VIB, BE

Glycan arrays and mass spectrometry
Manfred Wuhrer
Biomolecular Mass Spectrometry Unit
Leiden University Medical Center, NL

15:00-15:20 Pause - Refreshments

Pause - Refreshments

Pause - Refreshments

15:20-16:20 **A role of N-glycans in protein folding**
Jürgen Gent
Cellular Protein Chemistry
Utrecht University, NL

Protein glycation and deglycation
Emile Van Schaftingen
Metabolic Research Group
UCL-ICP, BE

GlycoHepatoTest: clinical chemistry optimisation and validation
Nico Callewaert
VIB Department for Molecular Biomedical Research,
Ghent University and VIB, BE

16.20-17.30

Reception and Closure

Location

Vrije Universiteit Brussel, Pleinlaan 2, B-1050 Brussels
Welcome, coffee and first lecture (10:00-11:00) in building D, room D.2.01
Other lectures in building E, room E.0.06

Itinerary

By plane

Brussels Airport (Zaventem) is the largest airport in Belgium. Most international flights arrive here. From Brussels Airport you can reach our campus by train or by bus (bus 12). A taxi from the airport will cost you aprox. 29,- €.

Other airports in Belgium are :

- Ostend-Bruges (Jetair, TUI Airlines Belgium, ...), Liege (Thomas Cook, TUI Airlines Belgium, ..), Antwerp (VLM, ...) and Brussels South - Charleroi (Ryanair, ...)

By train

Our campus is located next to the railway station "Etterbeek". Consult the timetables of the Belgian National Railroad Company. (NMBS)

By subway

Subway stations "Petillion" and "Delta" are closest to the Campus (+/- 15 minutes walk).

By tram or bus

- Tram 23 (Heyzel - Churchill) and get off at 'Lansiers' or at 'Etterbeek NMBS'
- Tram 25 (Rogier - Boondaal) get off at "Lansiers" or at "Etterbeek NMBS"
- Tram 24 (Schaarbeek-Vanderkindere) get off at "Lanciers" or "Etterbeek NMS"
- Bus 34 (Transvaal - Beurs) - get off at 'Arsenaal'
- Bus 71 (Delta - De Brouckère) - get off at "Fraiseur"
- Bus 95 (Heiligenborre - Beurs) - get off at "Etterbeek NMBS"
- Bus 12 (Airport Express Line) goes straight from Brussels Airport to the city centre.

By car

- From France / Luxemburg / Namen: E411
- From UK / Ostend (Oostende) / Brugge / Gent: E40
- From Netherlands / Antwerpen / Mechelen: A12 or E19
- From Germany / Aken / Luik / Leuven: E40

For detailed directions, please consult Google Maps or Mappy.com.

A system of electrical bollards is in use at Campus Etterbeek to limit parking and traffic nuisance. The system works on the basis of number plate recognition. This means that cars with a registered number plate are able to get on and off the campus without any problem. People whose number plate is not immediately recognised can register via the intercom.

