

TRAINING EVENT II

GLYCOVAX

NOVEL APPROACHES FOR GLYCOCONJUGATION

20th-24th March 2017 - Instituto de Medicina Molecular, Lisbon, Portugal

MONDAY, 20th MARCH 2017

14.00-14.30 Arrival and registration

14.30-14.45

Welcome Session

Gonçalo Bernardes

Group Leader of the Chemical Biology and Clinical Pharmacology Unit

Instituto de Medicina Molecular, Portugal

Group Leader - Royal Society URF

University of Cambridge, UK

14.45-15.45

Site-Specific Conjugation Applied to Glycoconjugate Vaccines

Roberto Adamo

Senior Research Scientist at GlaxoSmithKline Vaccines S.r.l., Italy

15.45-16.00

Coffee break

16.00-17.00

The design of synthetic vaccines

Luigi Lay

Group Leader of the Carbohydrate Chemistry Group at Università degli Studi di Milano, Italy

17.00-18.00

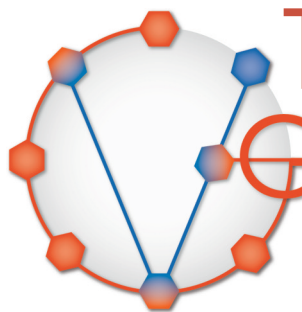
Breaking the limits for exploring glycan recognition by using NMR

Jesús Jiménez-Barbero

Scientific Director at the Asociación Centro de Investigación Cooperativa en Biociencias, Spain

18.00

Get Together at IMM rooftop



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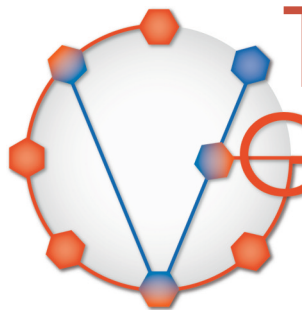
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TUESDAY, 21st MARCH 2017 - ESR PRESENTATIONS DAY I

- 09.30-11.00** Supervisors board meeting
- 11.00-11.30** **Synthesis of oligosaccharide fragments from GBS Ia and Ib capsular polysaccharide for structure-based selection of vaccine candidates**
Linda del Bino - GlaxoSmithKline Vaccines S.r.l., Italy
- 11.30-12.00** *Coffee break*
- 12.00-12.30** **Synthetic approach to Group B Streptococcus type II (GBS II) oligo saccharides**
Meenakshi Singh - Università degli Studi di Milano, Italy
- 12.30-13.00** **Synthesis of MenA carba-analogues and native MenX oligomers for improved anti meningococcal vaccines**
Ludovic Auberger - Università degli Studi di Milano, Italy
- 13.00-14.00** *Lunch*
- 14.00-14.30** **Synthesis of glucosylated LTA fragments and evaluation using microarray technology**
Francesca Berni - University of Leiden, Netherlands
- 14.30-15.00** **Synthesis of *E. faecalis* diheteroglycan oligosaccharides**
Jacopo Enotarpi - University of Leiden, Netherlands
- 15.00-15.30** **Automated synthesis of a library of Group B Streptococcus type IV capsular polysaccharide related glycans for vaccine development**
João Louçano Gomes - GlycoUniverse GmbH & Co KGaA, Germany
- 15.30-16.00** *Coffee break*
- 16.00-16.30** **Development of polysaccharide-specific monoclonal antibodies and analysis of immune response to glycoconjugates**
Vera Abramova - Sveuciliste u Rijeci, Medicinski Fakultet, Croatia
- 16.30-17.00** **Structural characterization of the interactions between MenA antigens and mAb JWA1**
Pedro Henriques - GlaxoSmithKline Vaccines S.r.l., Italy
- 17.00** *Free night*



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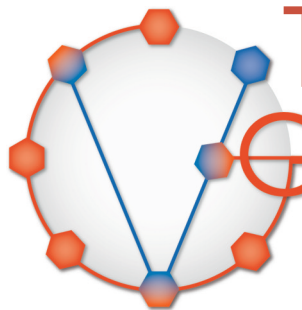
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WEDNESDAY, 22nd MARCH 2017 - ESR PRESENTATIONS DAY II

- 10.00-10.30** **Minimal structural glyco-epitope for antibody maturation**
Stefania Robakiewicz - Centre National de la Recherche Scientifique, France
- 10.30-11.00** **New Mimetics of *Neisseria meningitidis* A: Conformational Study**
Ilaria Calloni - Asociacion Centro de Investigacion Cooperativa en Biociencias, Spain
- 11.00-11.30** *Coffee break*
- 11.30-12.00** **Synthetic Galactose derivatives for inverse electron demand Diels-Alder reactions and metabolic labeling**
Annabel Kitowski - Instituto de Medicina Molecular, Portugal
- 12.00-12.30** **Production of monoclonal antibodies against Gram-positive bacteria**
Ermioni Kalfopoulou - Ludwig-Maximilians-Universität München, Germany
- 12.30-14.00** *Lunch*
- 14.00-19.30** **Outdoor team building activity: "Get to know Lisbon"**
- 20.00** *Workshop Dinner at Chapitô à mesa*



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THURSDAY 23th MARCH 2017 - IMMUNOLOGY AND VACCINES SESSION

10.00-10.50

Immunology session I

Marc Veldhoen - Group Leader of the Immune Regulation Unit
Instituto de Medicina Molecular, Portugal

10.50-11.10

Coffee break

11.10-12.00

Immunology session II

Marc Veldhoen - Group Leader of the Immune Regulation Unit
Instituto de Medicina Molecular, Portugal

12.00-13.00

Glycan based immunity against malaria transmission

Miguel Soares - Group Leader of the Inflammation Unit
Instituto Gulbenkian de Ciência (IGC), Portugal

13.00-14.00

Lunch

14.00-15.00

Glycosylation alterations in cancer: a source of targets for therapeutic applications

Celso Reis - Group Leader of the Glycobiology in Cancer Unit
Institute of Molecular Pathology and Immunology of the University of Porto
and Instituto de Investigação e Inovação em Saúde - i3S, Portugal

15.00-16.00

Towards a new malaria vaccine

Miguel Prudêncio - Group Leader from the Plasmodium Infection &
Anti-malarial Interventions Unit
Instituto de Medicina Molecular, Portugal

16.00-16.30

Coffee break

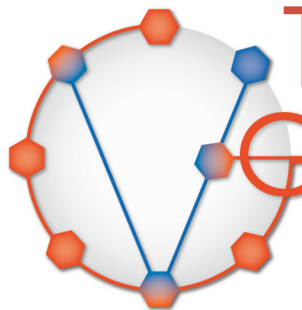
16.30-17.30

Adoptive T cell transfer - cancer immunotherapy going wild

Haakan Rolf Norell - Investigator at the T cell Differentiation &
Tumor Targeting Unit
Instituto de Medicina Molecular, Portugal

17.30

Free night



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FRIDAY, 24th MARCH 2017 - GLICOCONJUGATION SESSION

- 09.30-10.30** **Deciphering mucin-based glycan specificity for cancer-related antibodies and lectins**
Filipa Marcelo - Assistant Researcher at the Structural Molecular Biology Unit
Rede de Química e Tecnologia, Portugal
- 10.30-11.00** *Coffee break*
- 11.00-12.00** **Sweet chemistry towards the generation of multitarget small molecules against Alzheimer's disease and diabetes**
Amelia Rauter - Group Leader at the Carbohydrate Chemistry Unit
Centro de Química e Bioquímica, Portugal
- 12.00-13.00** **Design of novel glycopeptide-based cancer vaccines**
Francisco Corzana López - Investigator at the Biological Chemistry Unit
Universidad de la Rioja, Spain
- 13.00-14.00** *Lunch*
- 14.00-15.00** **Closing session - Chemical site-selective protein modification**
Gonçalo Bernardes - Group Leader of the Chemical Biology and Clinical Pharmacology Unit
Instituto de Medicina Molecular, Portugal
Group Leader - Royal Society URF
University of Cambridge, UK