

**Meeting Schedule for MultiGlycoNano Meeting
February 2 - 4, 2012 in Berne, Switzerland**

Time	Session	Thursday, February 2, 2012	Speaker
14:00 - 14:10		Welcome	Prof. Jean-Louis Reymond, University of Berne, CH
14:10 - 14:20		Introduction by the Action Chair	Dr. Bruce Turnbull, University of Leeds, UK
14:20 - 14:30		COST Office Switzerland	Eva Klaper, COST Office Switzerland, CH
14:30 - 14:45		STSM Information	Prof. Cristina Nativi, University of Florence, IT
14:45 - 15:00	Session 1	Multivalent Glycopeptide Dendrimers as High-Affinity Inhibitors against <i>Pseudomonas aeruginosa</i> Lectin LecA	Myriam Bergmann, University of Berne, CH
15:00 - 15:15		DC-SIGN and Langerin, two C-type lectins Receptors involved in dendritic cells biology : target for host-pathogen interactions	Prof. Franck Fieschi, Université de Grenoble, FR
15:15 - 15:30		Glycomimetic Glycoconjugates as Lectin Antagonists	Prof. Anna Bernardi, Università degli Studi di Milano, IT
15:30 - 15:45		The Glyco-BioInterface – Glycoconjugates for the Biofunctionalization of Biomaterial Surfaces	Prof. Lothar Elling, RWTH Aachen University, DE
15:45 - 16:00		<i>Coffee break</i>	
16:00 - 16:15		<i>Coffee break</i>	
16:15 - 16:30	Session 2	Probing protein-carbohydrate interactions with cyclodextrin-scaffolded glycoclusters	Dr. Juan M. Benito Hernandez, CSIC - Universidad de Sevilla, ES
16:30 - 16:45		Inhibition and Detection of Pathogenic <i>Streptococcus suis</i> by Carbohydrate Ligands	Prof. Jukka Finne, University of Helsinki, FI
16:45 - 17:00		Polymers and Polymeric Nanoparticles—Potential New Scaffolds for the Multivalent Presentation of Carbohydrates	Dr. David Fulton, University of Newcastle, UK
17:00 - 17:15		The lectin LecB of <i>Pseudomonas aeruginosa</i> interacts with the outer membrane porin OprF	Dr. Horst Funken, Heinrich-heine-Universität Düsseldorf, DE
17:15 - 17:30		<i>Break</i>	
17:30 - 17:45	Session 3	Cyclodextrin-DNA nanocomplexes for gene delivery	Prof. José Manuel García Fernández, CSIC - Universidad de Sevilla, ES
17:45 - 18:00		Banana lectin: a tool for glycoproteomics and a candidate for lectin-mediated drug targeting	Prof. Marijana Gavrovic-Jankulovic, Faculty of Chemistry University of Belgrad, RS
18:00 - 18:15		Synthesis and Immunological Screening of Some Oligovalent Mannosides	Prof. Reko Leino, Åbo Akademi University, FI
18:15 - 18:30		New Chemoselective Tools for Glyconanoscience	Prof. Knud Jensen, Universit of Copenhagen, DK
18:30 - 18:45		Structure based design and screening of glycopeptide inhibitors of galactose-specific lectin LecA from <i>Pseudomonas aeruginosa</i>	Dr. Rameshwar Kadam, University of Berne, CH
18:45		<i>Meeting ends</i>	

Time	Friday, February 3, 2012	Speaker
09:00 - 09:15	Session 4	Mucin and Mucus Layers: Understanding the soft and slimy lubrication, and beyond.
09:15 - 09:30		Synthesis of bivalent lactosides & mannosides and their activity in lectin based assays, including cell based assays
09:30 - 09:45		Hydrodynamic characterisation protocols for large glycoconjugates
09:45 - 10:00		Multivalency and Photoswitching: Space for Collaborations in the Glycosciences
10:00 - 10:15		Structure-function relationship in biomolecular systems: Insights from molecular simulations
10:15 - 10:30		Metallic Glyconanoparticles for Biomedical Applications
10:30 - 10:45		Coffee break
10:45 - 11:00		Coffee break
11:00 - 11:15	Session 5	Bacterial Nanoglycobiology
11:15 - 11:30		Microbial glycoconjugates and elicitation of eukaryotic innate immunity
11:30 - 11:45		Metabolic glycan imaging in the mouse
11:45 - 12:00		Bacterial glycoconjugate vaccines based on synthetic oligosaccharides
12:00 - 12:15		Structural elements in pectins of importance for their effects on the immune system.
12:15 - 12:30		Multivalent glycoconjugates and sugar mimetics: synthesis and therapeutic applications
12:30 - 12:45		Lunch break
12:45 - 13:00		Lunch break
13:00 - 13:15		Lunch break
13:15 - 13:30		Lunch break
13:30 - 13:45	Session 6	Multivalent glycocyclopeptides as immune system activators
13:45 - 14:00		Assessment of a multiple choice activation of the immune system induced by a synthetic analogue of a melanoma antigen: the outcome of the multivalent presentation of a glyco-based systems
14:00 - 14:15		Glycodendritic Structures as tools in Chemical Biology
14:15 - 14:30		Towards targeted drug and gene delivery using calixarene based ligands
14:30 - 14:45		The Paenibacillus alvei S-Layer as a Model for a Self-Assembling Glycan Display System
14:45 - 15:00		Molecular modeling of enzymatic catalysis and gold glyconanoparticles
15:00 - 15:15		Coffee break
15:15 - 15:30		Coffee break
15:30 - 15:45	Session 7	Polymersomes functionalized by N-glycans
15:45 - 16:00		Helminth glycans modulate host immunity
16:00 - 16:15		Concise synthesis of amphiphilic glycoconjugates: potential applications as novel anti-infection agents and soft materials
16:15 - 16:30		DNA-carbohydrate interaction: Neutral and charged glyco-oligoamides bringing carbohydrates and glycoprotein mimics to DNA minor groove
16:30 - 16:45		Synthesis of calixarene-based glycoclusters: Influence of the spacer arm on the affinity for lectins
16:45 - 17:00		Pentavalent interactions of GM1 to cholera toxin
17:00 - 17:15		Break
17:15 - 19:15		MC Meeting
19:15		Meeting ends
20:00		Dinner organized by University of Berne at Restaurant Hotel Bern

Time	Saturday, February 4, 2012	Speaker
09:00 - 09:15	Session 8	Understanding, inhibiting and exploiting bacterial toxins
09:15 - 09:30		β -N-Acetylhexosaminidases in the Synthesis of Immunoactive Glycomimetics
09:30 - 09:45		Structure and specificity of lectins from opportunistic bacteria
09:45 - 10:00		Multivalent Carbohydrates for Inhibition and Detection
10:00 - 10:15		Coffee break
10:15 - 10:30		Coffee break
10:30 - 10:45		Group work-shops
10:45 - 11:00		Group work-shops
11:00 - 11:15		Group work-shops
11:15 - 11:30		Group work-shops
11:30 - 11:45		Group work-shops
11:45 - 12:00		Closing of the Meeting
12:00		Meeting ends
		WG1 --> lecture hall S465, 4th floor WG2 --> lecture hall S357, 3rd floor WG3 --> lecture hall Clubroom, 5th floor WG4 --> lecture hall EG16, ground floor
		Dr. Bruce Turnbull, University of Leeds, UK

Poster presentations during coffee breaks Thursday-Saturday	Presenter
NMR and computational studies of the glycolixarene - lectin interactions	Silvia Bernardi, Università degli Studi di Parma, IT
DNA minor groove carbohydrate-ligands with cooperative hydrogen bonding centres.	Maite Blázquez + Andrea Taladriz, Instituto de Química Orgánica General CSIC, ES
"Clicked" Multivalent Glycolixarenes: Synthesis and Recognition Properties	Paola Fezzardi, Università degli Studi di Parma, IT
Syntheses of Lewis a and b motifs as thioglycoside block donors	Martin Hollinger, University College Dublin, IE
Development of Glycosylated Nanomaterials	Dr. David Kennedy, Max-Planck-Institute of Colloids and Interfaces, DE
Glycomimetics conjugated Nanoparticles with therapeutic activity and glycidic scaffold based targeting agents	Dr. Barbara La Ferla, University of Milano-Bicocca, IT
Synthesis of Phosphorylated β -(1 \rightarrow 2)-Linked Mannosides	Jani Rahkila, Abo Akademi University, FI
Carbohydrate Thiazolines: Glycomimetics as Hexosaminidase Inhibitors or Substrates?	Petr Simon, Academy of Sciences of the Czech Republic, CZ
The Development of Click-Chemistry Reagents for Glycan Imaging	Dr. Henning Stöckmann, CRUK University of Cambridge, UK
Strategy for Carbohydrate-Binding-Protein-Recognizable Immobilization of Reducing Sugars used in SPR-detectors	Dr. Mikkel Boas Thygesen, University of Copenhagen, DK

Session Chairs
PD Dr. Tamis Darbre - Session 1
Prof. Alessandro Casnati - Session 2
Dr. Tom Wennekes - Session 3
Prof. Anna Bernardi - Session 4
Prof. Vladimir Kren - Session 5
Dr. Anne Imberty - Session 6
Prof. Roland Pieters - Session 7
Prof. Jean-Louis Reymond - Session 8