

Wednesday 11 th July Morning			
09:00-09:50		Registration	
09:50-10:05		Welcome: Niels Reichardt	
10:05-10:50	P-1	Keynote lecture 1: Rapid evolution of glycan-binding receptors that distinguish host and pathogens sugars	Kurt Drickamer, Imperial College London, UK
Session 1: IMMUNE LECTINS – Chair: Kurt Drickamer			
10:50-11:10	OC-1	<i>A C-type lectin receptor (CLR)-Fc fusion protein library as a toolbox to explore the intricate interplay of CLR-pathogen interactions</i>	João Monteiro, U. Veterinary Medicine Hannover, DE
11:10-11:40	B-1	Coffee break and Posters	
11:40-12:00	OC-2	<i>Microarray-based screening of C-type lectins against a glycomimetics library</i>	Laura Medve, U. Milan, IT
12:00-12:20	OC-4	<i>Chondroitin sulfate derivatives and dendrimers and their binding to Midkine and Langerine by NMR</i>	Pedro Nieto, IIQ - CSIC, ES
	P-2	Keynote lecture 2: Glycosylation and suppressive immune response in the tumour microenvironment	Yvette van Kooyk, Vumc, NL
		CANCELLED	
12:20-13:05	P-2	Keynote lecture 2: Development of glycomimetics towards C-type lectins of the immune system	Franck Fieschi, U. Grenoble Alpes, FR
Session 2: IMMUNE THERAPY – Chair: Franck Fieschi			
13:05-13:15	F-1	<i>Glycosylation alterations as a new mechanism in systemic lupus erythematosus pathogenesis</i>	Inês Alves, IPATIMUP - U. Porto, PT
13:15-13:25	F-2	<i>Development and validation of novel antibodies against Sialylated antigens in ColoRectal Cancer</i>	Roberta. Zoppi, U. Lisboa, PT
13:30-15:00	L-1	Lunch and Posters	

Wednesday 11 th July, Afternoon			
15:00-15:20	OC-5	<i>The sweet side of pancreatic cancer: the tumor glyco-code contribute to the tolerogenic microenvironment</i>	Ernesto Rodriguez, VUmc Amsterdam, NL
15:20-15:40	OC-6	<i>Metabolic control of T cell immune response through glycans in Immunity</i>	Salomé Pinho, IPATIMUP - U. Porto, PT
15:40-16:25	P-3	Keynote lecture 3: Carbohydrate-binding proteins as targets for anti-infectives and diagnostics: ESKAPE pathogen <i>Pseudomonas aeruginosa</i> and its lectins	Alexander Titz, HIPS Saarbrücken, DE
Session 3: BACTERIAL GLYCOBIOLOGY I – Chair: Alexander Titz			
16:25-16:45	OC-7	<i>Structure of Akkermansia Muciniphila's lipopolysaccharides</i>	Pilar García-Vello, U. Naples, IT
16:45-17:05	OC-8	<i>A sweet shuttle for adherent-invasive Escherichia Coli through epithelial membranes</i>	Julie Bouckaert, U. Lille, FR
17:05-17:35	B-2	Coffee break and Posters	
17:40-18:40		IMMUNOSHAPE Consortium Meeting	Consortium members

Thursday 12 th July Morning			
09:00-09:45	P-4	Keynote lecture 4: A Medicinal Chemistry Approach to Develop Semi-Synthetic Glycoconjugate Vaccines Against Bacteria	 Peter Seeberger, MPIKG, Golm, DE
Session 4: GLYCAN SYNTHESIS - Chair: Peter Seeberger			
09:45-10:05	OC-9	<i>Automated glycan assembly of arabinomannan from Mycobacterium tuberculosis</i>	 Alonso Pardo-Vargas, MPIKG, Golm, DE
10:05-10:25	OC-10	<i>Streamlining and Optimization of Automated Glycan Synthesis</i>	 Tanistha Gupta, GlycoUniverse, DE
10:25-10:45	OC-11	<i>Chemo-enzymatic On-chip Synthesis of N-glycan mimetics</i>	 Anna Cioce, CIC biomaGUNE, ES
10:45-11:05	OC-12	<i>Synthesis of S. mansoni inspired O-glycans for improved CLR targeting</i>	 Julie Pham, CIC biomaGUNE, ES
11:10-11:40	B-3	Coffee break and Posters	
11:40-12:00	OC-13	<i>Chemoenzymatic Synthesis of Carbohydrates and Glycoconjugates</i>	 Kun Huang, U. Manchester, UK
12:00-12:20	OC-14	<i>Synthesis and application of dendritic carbohydrate multivalent systems to study recognition events by lectins</i>	 Antonio Di Maio, IIQ - CSIC, ES
12:20-13:05	P-5	Keynote lecture 5: Recent trends in the design and development of carbohydrate-based conjugate vaccines	 Francesco Berti, GSK Vaccines, IT
Session 5: CARBOHYDRATE BASED VACCINES - Chair: Francesco Berti			
13:05-13:25	OC-15	<i>Insight into the immune response arising from mycobacterial infection facilitated by a glycan array</i>	Todd Lowary, U. Alberta, CA
13:30-15:00	L-2	Lunch and Posters	

Thursday 12 th July, Afternoon			
15:00-15:20	OC-16	<i>On the Dual Antigen/Potentiator Role of S. pneumoniae Polysaccharides in Conjugated-Vaccines</i>	Fabrizio Chiodo, U. Leiden, NL
15:20-15:40	OC-17	<i>α-GAL glycotope-based neoglycoprotein vaccine protects against heart inflammation and parasite burden in both murine and nonhuman primate models of Chagas disease</i>	Igor Almeida, U. Texas at El Paso, US
15:40-16:00	OC-18	<i>Novel nonreducing linear α-GAL glycotope as prophylactic vaccine for cutaneous Leishmaniasis</i>	Rosa Maldonado, U. Texas at El Paso, US
16:00-16:45	P-6	Keynote lecture 6: Microbial cell wall glycoconjugates and elicitation/suppression of eukaryotic innate immunity	Antonio Molinaro, Università of Naples Federico II, IT
16:45-17:15	B-4	Coffee break and Posters	
Session 6: BACTERIAL GLYCOBIOLOGY II - Chair: Antonio Molinaro			
17:15-17:35	OC-19	<i>Structure and bioactivity of lipopolysaccharides: an overview from plants to humans</i>	Flaviana Di Lorenzo, U. Naples, IT
17:35-17:55	OC-20	<i>Structural and immunostimulant studies on Acetobacter pasteurianus CIP103108 and Phaeobacter gallaeciensis BS107 lipopolysaccharide</i>	Mateusz Pallach, U. Naples, IT
21:00	SYMPOSIUM DINNER		

Friday 13 th July Morning			
09:00-09:45	P-7	Keynote lecture 7: Exploiting glycosylation in vaccine design and therapeutics	Max Crispin, University of Southampton, UK
Session 7: GLYCAN ANALYSIS AND STRUCTURE – Chair: Max Crispin			
09:45-10:05	OC-21	<i>Selection of novel C-type lectin ligands through new scanning method</i>	 Blanka Didak, GLYcoDiag, FR
10:05-10:25	OC-22	<i>Rational Optimization of glycomimetics towards DC-SIGN</i>	 Silvia Achilli, U. Grenoble Alpes, FR
10:25-10:45	OC-23	<i>Recognition of cell surface N-glycans by host immune proteins: a molecular view by NMR</i>	Roberta Marchetti, U. Naples, IT
10:45-10:55	F-3	<i>Exploring the role of exosome glycosylation in cellular uptake</i>	Charles Williams, CIC biomaGUNE, ES
11:00-11:30	B-5	Coffee break and Posters	
11:30-11:50	OC-24	<i>Mass Spectrometry-Based Chemical and Enzymatic Methods to Globally Analyze Surface Glycoproteins in Human Cells</i>	Ronghu Wu, Georgia Institute of Technology, US
11:50-12:10	OC-25	<i>IgG Glycosylation as Potential Disease Marker for Thyroid Cancer. Development of a Serum Sample Preparation Protocol for Absolute Glycan Analysis and Proof of Concept Study</i>	Nerea Ruiz, CIC biomaGUNE, ES
12:10-12:30	OC-26	<i>Molecular insights into the recognition of A/B blood group antigens by the lectin DC-SIGN through NMR methods</i>	Ana Ardá, CIC bioGUNE, ES
12:30-13:00	Symposium Closure		
13:00-14:30	L-3	Lunch and Posters	