

Program

Time	Monday 18 th November	Tuesday 19 th November	Wednesday 20 th November
09:25-09:40			Young Researchers Helena Coelho (PT) Diksha Haksar (NL) Alexander Dahlqvist (SE) Francesco Papi (IT)
09:40-09:55		<i>Plenary lecture</i> Celso Reis (PT)	
09:55-10:10			
10:10-10:40		Coffee Break	Coffee Break
10:40-10:55		WG2 Session Basak Kayitmazer (TR) Basak Kayitmazer (TR) Laura Russo (IT) Lucian Rotariu (RO) Zdeněk Wimmer (CZ) José Palomo (ES)	WG meeting
10:55-11:10			
11:10-11:25			
11:25-11:40			
11:40-11:55			
11:55-12:10			
12:10-13:00			
13:00-13:30		LUNCH	LUNCH
13:30-14:00	REGISTRATION		
14:00-14:15		WG3 Session Marko Anderluh (SI) Jessica Rosenholm (FI) M. Graça Neves (PT) Trinidad Velasco-Torrijos (IR) İdris Yazgan (TR) Kaja Kasemets (EE)	UCIBIO Visit Maria João Romão Eurico Cabrita
14:15-14:30			
14:30-14:45	Opening session		
14:45-15:00	<i>Plenary lecture</i> Ulrika Westerlind (SE)		
15:00-15:15			
15:15-15:30			
15:30-16:00	Coffee Break	Coffee Break	
16:00-16:30	<i>Poster Session</i>	<i>Poster Session</i>	
16:30-16:45	WG1 Session Priyanka Sahariah (IS) Carmen Galan (UK) José M. Garcia-Fernandez (ES) Paul Murphy (IR) Valentin Wittmann (GE) Marietta Tóth (HU)	MC Meeting	
16:45-17:00			
17:00-17:15			
17:15-17:30			
17:30-17:45			
17:45-18:00			
18:00-19:00	Core Group Meeting	DINNER	

Detailed Program - Monday, 18th November

13:00 – 14:30	Registration
14:30 – 14:45	Opening session
14:45 – 15:30	<i>Plenary Lecture</i> <i>Chair: Ulf Nilsson</i> Ulrika Westerlind: Glycopeptide microarrays in mapping of lectin binding profiles
15:30 – 16:30	Coffee Break Poster Session
16:30 – 16:45	WG1 presentation – Priyanka Sahariah <i>Chair: Priyanka Sahariah and Vladimír Křen</i>
16:45 – 17:00	<i>Oral communication</i> Carmen Galan: Stereoselective Catalytic Synthesis of Glycoside-probes
17:00 – 17:15	<i>Oral communication</i> José M. Garcia-Fernandez: Lectin/glycosidase multivalent and multitargeted ligands: enzyme regulators with self-delivery capabilities
17:15 – 17:30	<i>Oral communication</i> Paul Murphy: Synthesis and study of glycocluster ligands for human macrophage galactose C-type lectin
17:30 – 17:45	<i>Oral communication</i> Valentin Wittmann: Precipitation-Free High-Affinity Multivalent Lectin Binding
17:45 – 18:00	<i>Oral communication</i> Marietta Tóth: Syntheses towards C-glycosyl type glycomimetics
18:00 – 19:00	Core Group Meeting

Detailed Program - Tuesday, 19th November

09:25 – 10:10	<i>Plenary Lecture</i> Celso Reis: Glycosylation in Cancer Biology: glycoengineered models and translation to clinical applications.	<i>Chair: Filipa Marcelo</i>
10:10-10:40	Coffee Break	
10:40-10:55	WG2 presentation - Basak Kayitmazer	
10:55-11:10	<i>Oral communication</i> Basak Kayitmazer: Hyaluronic Acid-Chitosan Coacervate-Based Scaffolds	<i>Chair: Basak Kayitmazer and Aiva Plotniece</i>
11:10-11:25	<i>Oral communication</i> Laura Russo: Glyco-biomaterials for tissue engineering and 3D in vitro studies: Functionalization strategies and future outlook	
11:25-11:40	<i>Oral communication</i> Lucian Rotariu: Bioreceptor immobilization strategies for enhancing the performances of biosensing platforms	
11:40-11:55	<i>Oral communication</i> Zdeněk Wimmer: Selected steroid and triterpene derivatives in supramolecular and/or medicinal chemistry	
11:55-12:10	<i>Oral communication</i> José Palomo: Novel strategies for the preparation of glycoderivatives and nanobiomaterials	
12:10-14:00	LUNCH	
14:00-14:15	WG3 presentation - Marko Anderluh	
14:15-14:30	<i>Oral communication</i> Jessica Rosenholm: Multimodal nanoantibiotics for synergistic modes of action against infectious diseases and for biofilm treatment	<i>Chair: Leo Frkanec and Cristina Nativi</i>
14:30-14:45	<i>Oral communication</i> M. Graça Neves: Development of antimicrobial photoactive materials based on tetrapyrrolic macrocycles and chitosan	
14:45-15:00	<i>Oral communication</i> Trinidad Velasco-Torrijos: Glycoconjugates to Inhibit Fungal Pathogen Adhesion	
15:00-15:15	<i>Oral communication</i> İdris Yazgan: Open-chain Gold Nanoparticle Glycoconjugates in Development of Prophylactic Drugs Against Neutropenia	
15:15-15:30	<i>Oral communication</i> Kaja Kasemets: Antimicrobial potency of Ag-chitosan nanocomposites	
15:30 – 16:30	Coffee Break Poster Session	
16:30 – 19:00	MC Meeting	

Detailed Program - Wednesday, 20th November

	<i>Chair: Carmen Galan and Marko Anderluh</i>
09:25-09:35	<i>Young Researchers Communication</i> Helena Coelho: O-GalNAc glycosylation in a multivalent Mucin-1 by polypeptide GalNAc-transferases.
09:35-09:45	<i>Young Researchers Communication</i> Diksha Haksar: A hybrid polymer to target blood group dependence of cholera toxin.
09:45-09:55	<i>Young Researchers Communication</i> Alexander Dahlqvist: C1-galactosyl galectin inhibitors.
09:55-10:05	<i>Young Researchers Communication</i> Francesco Papi: Silica Nanoparticles grafted with a TnThr Mimetic as Tool for Solid State NMR Coating Investigation
10:05-10:40	Coffee Break
10:40-12:10	WG meeting
12:10-14:00	LUNCH
14:00-15:00	UCIBIO Visit Maria João Romão Eurico Cabrita

Poster List

- P1:** *T. Vispannu* - Levan as a versatile biopolymer for coating metal nanoparticles and functionalizing food
- P2:** *A. S. Grosso* - Molecular recognition of a Thomsen-Friedenreich antigen mimetic targeting human galectin-3
- P3:** *C. Ortiz-Mellet* - Stereoselective synthesis of 2-deoxynojirimycin O- and S- α -glycosides from bicyclic iminoglycal precursors
- P4:** *P. M. Zagalo* - A Preliminary Overview of EE2 Sensors: Impedance and Absorbance Studies
- P5:** *M. Stojanovic* - Banana lectin as potential therapeutic tool
- P6:** *M. Mahanti* - Arynes in Monoarylation of Unprotected Carbohydrate amines and their application in galectin binding
- P7:** *N. Moura* - Solid supports doped with porphyrinic derivatives as materials for metal cations detection and removal
- P8:** *S. Kizilel* - Multiresponsive Glycan-based Hydrogel with Reversible Crosslinking for Therapeutic Cargo Delivery
- P9:** *E. M. P. Silva* - Tandem mass spectrometry: a tool for structural characterization and determination of bioactive compounds
- P10:** *J. Katrlík* - Glycoprofiling of sera of children with attention-deficit hyperactivity disorder (ADHD) by lectin-based protein microarray
- P11:** *V. Křen* - Rutinosidase from *A. niger* is able to synthesize glycosyl esters and phenolic glycosides
- P12:** *A. Diniz* - Structural Insights into the Mechanism of Binding of Human Macrophage Galactose-Type Lectin
- P13:** *M. Mastihubová* - Chemo-enzymatic acylation studies on D-hamamelose
- P14:** *A. Palma* - Glycan microarrays - driving structural biology approaches to unravel glycan recognition
- P15:** *B. Westereng* - "Coupling sweets"
- P16:** *M. Corvo* - Functional ionogels from polysaccharides and ionic liquids: a versatile approach
- P17:** *Priyanka Sahariah* - Chitosan Conjugates as Effective Antimicrobial Agents
- P18:** *C. Conceição* - Development and Synergistic Analysis of a Nano-Delivery System for PARP1 inhibitor ABT-888
- P19:** *MAF Faustino* - Tetrapyrrolic-sugar conjugates and their potential applications
- P20:** *K. Pogoda* - Soft matrices containing hyaluronan regulate mechanoreponse of glioblastoma cells
- P21:** *M. M. Marques* - From chitosan to NAG-NAM surrogates
- P22:** *L. Frkanec* - Molecular recognition of plant lectin by self-assembled bilayers modified with bacterial peptidoglycan
- P23:** *I. Gonçalves* - Incorporation of a cationic porphyrin into starch-based formulations for the development of biobased photosensitizers
- P24:** *A. Plotniece* - Physical-chemical characterisation of chitosan-coated liposomes as putative delivery systems
- P25:** *T. Pivetta* - Optimization of liposomes for encapsulation of natural compounds and application in phototherapy
- P26:** *M. Turks* - Vogel's silyl sulfinates as effective silylation agents for carbohydrate and nucleoside chemistry
- P27:** *C. Lima* - Deciphering the structural features of LacdiNAc binding with lectins using NMR spectroscopy
- P28:** *D. P. Sousa* - Development of novel antibodies targeting sialylated tumour-associated carbohydrate antigens
- P29:** *A. L. Carvalho* - An integrative 3D atomic view on the plant cell wall biodegradation and on protein-carbohydrate molecular interactions

P30: C. D. Raposo - Nanoparticles of poly(ethylene glycol)-glycosyl derivatives for targeted drug delivery systems

P31: R. Francisco - ImmunoCDGQ: Immunology and CDG Questionnaire for Patients and Caregivers

P32: D. Sobral - Multi-omic characterization of glycosylation factors in health and disease

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GLYCONanoPROBES
18-20th November 2019, Caparica, Portugal