

INNOGLY-ECI-WG3-2021 Young Glyco-Scientists on stage

September 27, 2021

In Memory of Prof. Hans-Joachim Gabius whose work and dedication to the GlycoScience will be of inspiration for the next generation of GlycoScientists.

Starting time: 09:00 am (CEST)

Platform: zoom

Morning session 09:00 – 13:00 Chair: Giacomo Biagiotti

Welcome-room with introduction and help for the participants	08:45
Opening Ceremony. Luigi Lay (INNOGLY Chair), Barbara Richichi and Sandra van Vliet (WG3 leaders)	09:00
PL1: Francesca Micoli, PhD: “Professional growth in an international company working on polysaccharide based vaccines”	09:30
Young scientists stage 1 Chair: Giacomo BIAGIOTTI	10:30 - 11:00
OL1 Cristina Manuela Santi: “Synthesis of an analogue of <i>Neisseria meningitidis</i> A capsular polysaccharide for the development of a glycoconjugate vaccine”.	10:30 - 10:45
OL2 Laura Marín Fernández: “Metabolic functionalization applied to the production of complex polysaccharide of vaccine interest”.	10:45 - 11:00
Round table (moderated by Davide RET) and Flash presentations	11:00 - 12:20
EU Grant opportunities for ECI Denise Cuccia (INNOGLY Grant Manager)	11:00 - 11:15
FL1 Henrique Oliveira Duarte: “Cracking the ErbB2 Sugar Code in Gastric Cancer – A Bitter Sweet Functional Target”	11:15 - 11:20
FL2 Nadia Van der Meijs: “Glycan-dependent signalling routes and transcriptional programs in human dendritic cells after triggering the C-type lectin receptor MGL”.	11:20 - 11:25
FL3 Cristina Di Carluccio: “Molecular recognition of sialoglycans by streptococcal Siglec-like adhesins: toward the shape of specific inhibitors”	11:25 - 11:30
FL4 Angela Marseglia: “Interaction studies between bacterial glycans and host immune receptors”	11:30 - 11:35
FL5 Celeste Abreu: “Study of the glycosylation-dependent interaction between NK cell receptors and Galectin-1 by microscale thermophoresis”.	11:35 - 11:40
FL6 Ondrej Skorepa: “Natural killer cell activation receptor NKp30 oligomerization depends on its N-glycosylation”.	11:45 - 11:50
FL7 Marina Milanese: “HIV-1 Tat/heparin interaction: translating new insight from molecular modelling to the comprehension of its biological functions”.	11:55 - 12:00

FL8 Laura Petrosilli: <i>“Towards a novel vaccine candidates against streptococcus pneumoniae 6a/6c”</i>	12:00 - 12:05
FL9 Katarzyna Durlik-Popińska: <i>“Cross reaction of antibodies against LPS P. mirabilis O3 with collagen type I, may mediated complement activation.”</i>	12:05 - 12:10
FL10 Özge Ata: <i>“Extraction and characterization of chondroitin sulphate from chicken sternum”.</i>	12:10 - 12:15
Opened discussion (moderated by Davide RET)	12:15 - 12:20
Young scientists stage 2	12:20 - 13:10
Chair Elena Maria LOI	
OL3 Catarina Marques: <i>“Exostosin-like 2 and Exostosin-like 3 Modulate Cancer Cells’ GAGosylation and Malignant Phenotype”.</i>	12:20 - 12:35
OL4 Paola Chiodelli: <i>“HIV-1 Tat and heparan sulfate proteoglycans orchestrate the setup of in cis and in trans cell surface interactions functional to lymphocyte trans-endothelial migration”.</i>	12:35 - 12:50
OL5 P. Perez Schmidt: <i>“A microfluidic approach to synthesize ultra-small glyco-gold nanoparticles”.</i>	12:50 - 13:05

13:10-14:30 Lunch Break

Afternoon session 14:30 pm-17:00 pm

Young scientists stage 3 Chair: Kristina ZLATINA and Cristiano CONCEIÇÃO	14:30 - 18:00
PL2: Prof. Ryan A. Flynn, PhD: <i>“Small RNAs are modified with N-glycans and displayed on the surface of living cells”</i>	14:30 - 15:30
OL6 Anna-Kristin Ludwig: <i>“Influence of Modular Assembly on Galectin Activity”</i>	15:30 - 15:45
OL7 Mike Aoun: <i>“Mincle regulates T-cell responses in arthritis via ROS/MAPK pathway”.</i>	15:45 - 16:00
OL8 Ferran Nieto-Fabregat: <i>“DC-SIGN recognition of bacterial LPS”.</i>	16:00 - 16:15
OL9 Mujtaba Hassan: <i>“Design, synthesis, and evaluation of a D-galactal derivative as a selective inhibitor of galectin-8 N-terminal domain”</i>	16:15 - 16:30
OL10 Filipa Trovão: <i>“Deciphering the complex molecular cross-talk of the gut microbiome with the human host”.</i>	16:30 - 16:45
OL11 Vojtěch Hamala: <i>“Hybrid organometallic galectin inhibitors”.</i>	16:45 - 17:00
OL12 Thomas Hicks: <i>“STD NMR spectroscopy reveals the structural basis of the interaction of the complex N-glycan G0 with fucosyltransferase FUT8”.</i>	17:00 - 17:15
OL13 Mathieu Decloquement: <i>“Diversity of polysialylation machinery in fish species highlights exciting perspectives to generate original high therapeutic biomaterials”</i>	17:15 - 17:30

OL14 Irene van der Harr: <i>“Tumor Sialylation: a Master Regulator of anti-tumor Immunity in Colorectal Cancer”</i> .	17:30 - 17:45
OL15 Y. Tepeli Büyüksünetçi: <i>“Development of electrochemical glycan biosensor including oxidase enzyme mimicking MOF structure”</i> .	17:45 - 18:00
Closing Ceremony	18:00