

Preliminary Scientific Program of 14 BSS update 18/5/17

Sunday 25th June

15.00	Bus departure from Trnavské mýto	
15.00–18.30	Registration	
19.00–	Welcome dinner	

Monday 26th June

7.30–9.00	Breakfast	
9.00–9.10	Opening ceremony (Miroslav Kooš, Jaroslav Katrlík)	
9.10–9.55	PL1 Sabine L. Flitsch	SYNTHETIC AND ANALYTICAL TOOLS IN GLYCOSCIENCES
9.55–10.40	PL2 Nikolay Nifantiev	PYRANOSIDE- <i>INTO</i> -FURANOSIDE REARRANGEMENT: NEW REACTION IN CARBOHYDRATE CHEMISTRY AND ITS APPLICATION IN OLIGOSACCHARIDE SYNTHESIS
10.40–11.05	Coffee break 1	
11.05–11.25	OP1 Ladislav Petruš	TBA
11.25–11.35	FP1 Ivan M. Ryzhov	SYNTHESIS AND SEROLOGICAL USE OF FUNCTION-SPACER-LIPID CONSTRUCTS CONTAINING LEWIS AND CHIMERIC LEWIS/ABH GLYCANS
11.35–11.45	FP2 Alessio Borio	CHEMICAL SYNTHESIS OF BOTH ISOMERS OF BACTERIAL METABOLITE D- <i>GLYCERO</i> --D- <i>MANNO</i> -HEPTOSE-1,7-BISPHOSPHATE
12.00–14.00	Lunch 1	

14.00–14.30	IL1 Vito Ferro	SYNTHESIS AND APPLICATIONS OF HEPARAN SULFATE MIMETICS
14.30–14.50	OP2 Kecheng Li	PREPARATION, ANALYSIS AND BIOLOGICAL ACTIVITIES OF SINGLE CHITOOOLIGOSACCHARIDES
14.50–15.10	OP3 Shaoping Li	HERBAL GLYCO-ANALYSIS
15.10–15.20	FP3 Andrea Schenk Mayerová	TBA
15.20–15.45	Coffee break 2	
15.45–16.15	IL2 Michaela Wimmerová	HOST-PATHOGEN RECOGNITION: THE ROLE OF CARBOHYDRATE BINDING PROTEINS
16.15–16.35	OP4 Lenka Malinová	CARBOHYDRATE-BASED INHIBITORS OF LECTINS FROM PATHOGENIC MICROORGANISMS
16.35–17.00	Poster flash presentations	Presentation of posters will be possible by short announcement (2 min)
17.00–18.30	Poster presentation	
19.00 –	Dinner	
Tuesday 27th June		
7.30–9.00	Breakfast	
9.00–9.45	PL3 Friedrich Altmann	BEYOND THE GOLDEN STANDARD - N-GLYCAN ANALYSIS WITH ULTIMATE POWER OF ISOMER DISCRIMINATION AND ITS APPLICATION TO BIOLOGICAL QUESTIONS
9.45–10.05	OP5 Vernon Reinhold	GLYCAN SPATIAL SEQUENCING WITH SPECTRAL DOCUMENTATION, SSSD
10.05–10.25	OP6 Peter Both	FILLING THE α 2,6-SIALIDASE GAP IN THE GLYCAN ANALYSIS AND REMODELING TOOLBOX
10.25–10.50	Coffee break 3	

10.50–11.20	IL3 Mária Matulová	APPLICATION OF NMR TO INBORN ERRORS OF METABOLISM DIAGNOSING IN SLOVAKIA. CASE STUDIES
11.20–11.40	OP7 Marek Nemčovič	GLYCOMIC AND GENOMIC APPROACH IN A CLINICAL CASE OF SUSPECTED SLOVAKIAN CDGx PATIENT
11.45–13.00	Lunch 2	
13.30–	Half day trip + Gala dinner	
Wednesday 28th June		
7.30–9.00	Breakfast	
9.00–9.45	PL4 Lokesh Joshi	ALIMENTARY GLYCOBIOLOGY - IMPLICATIONS IN HEALTH AND DISEASE
9.45–10.05	OP8 Vladimír V. Lupashin	COG COMPLEX CONTROLS GOLGI TRAFFICKING AND GLYCOSYLATION MACHINERIES
10.05–10.25	OP9 Ján Tkáč	APPLICATION OF BIOSENSORS IN GLYCOPROFILING OF CANCER BIOMARKERS
10.25–10.50	Coffee break 4	
10.50–11.20	IL4 Emil Paleček	CHEMICAL MODIFICATION, ELECTROCHEMISTRY AND IMMUNOASSAYS OF GLYCOPROTEINS AND GLYCANS
11.20–11.50	IL5 Tomáš Bertók	LOW COST, DISPOSABLE, NANOSTRUCTURED INTERFACES FOR GLYCOMIC STUDIES AND MEDICAL DIAGNOSTICS
11.50–12.00	FP4 Filip Květoň	DETECTION OF A TUMOR-ASSOCIATED ANTIBODY 2C4 BY A GLYCAN BIOSENSOR BASED ON THE TN ANTIGEN
12.00–14.00	Lunch 3	
14.00–14.45	PL5 Francesco Peri	SUGAR-BASED TOLL-LIKE RECEPTOR 4 (TLR4) MODULATORS: PHARMACEUTICAL STUDIES AND THERAPEUTIC PERSPECTIVES
14.45–15.05	OP10 Nino Trattnig	SYNTHESIS AND VACCINE POTENTIAL OF NOVEL LOIGOMANNOSIDES AGAINST HIV-1

15.05–15.25	OP11 Joseph M. Hayes	GLYCOGEN PHOSPHORYLASE AS A TARGET FOR TYPE 2 DIABETES: DESIGN OF GLUCOPYRANOSYL DERIVATIVES AS POTENT INHIBITORS ACTING AT THE CATALYTIC SITE
15.25–15.50	Coffee break 5	
15.50–16.20	IL6 Hiroaki Tateno	GLYCOME OF STEM CELLS
16.20–16.40	OP12 Johann Dion	DEVELOPMENT OF A DRUG DELIVERY SYSTEM BASED ON A LECTIN CARRIER TARGETING INDUCED PLURIPOTENT STEM CELLS
16.40–16.50	FP5 Erika Došeková	NEW IMPEDIMETRIC LECTIN BIOSENSOR IN ARRAY FORMAT FOR ANALYSIS OF HUMAN IGG SAMPLES ISOLATED FROM PATIENTS SUFFERING FROM RHEUMATOID ARTHRITIS
16.50–17.00	FP6 Martina Zámorová	GLYCAN PROFILING ANALYSES OF ALPHA-2-MACROGLOBULIN FROM DIFFERENT SERUM SAMPLES USING LECTIN-BASED MICROARRAY
17.00–17.10	FP7 Jaroslav Katrlík	TBA
17.10–17.30	OP13 Juraj Lutišan	GLUCOSIDE IDENTIFICATION IN COMPLEX SAMPLES USING FRAGMENT ION SEARCH
19.00–	Dinner	

Thursday 29th June

7.30–9.00	Breakfast	
9.00–9.45	PL6 Stephen C. Fry	BORON BRIDGING OF RHAMNOGALACTURONAN-II, A PECTIC POLYSACCHARIDE DOMAIN: TRYING TO COPY <i>IN VITRO</i> WHAT THE PLANT ACHIEVES <i>IN VIVO</i>
9.45–10.05	OP14 Lenka Franková	HETERO-TRANS-B-GLUCANASE, A NOVEL WALL REMODELLING ENZYME)
10.05–10.25	OP15 Peter Biely	GLUCURONOYL ESTERASES – ENZYMES WITH UNEXPLORED BIOTECHNOLOGICAL POTENTIAL
10.25–10.50	Coffee break 6	
10.50–11.20	IL7 Chunlin Xu	STRUCTURAL ELUCIDATION OF PLANT CELL WALL POLYSACCHARIDES AND THEIR DERIVATIVES BY INTEGRATED ENZYMATIC, CHROMATOGRAPHIC, AND MASS

		SPECTROMETRIC APPROACHES
11.20–11.40	OP16 Marina Ciancia	OCCURRENCE OF SULFATED PYRANOSIC ARABINANS IN CELL WALLS FROM GREEN ALGAE
11.40–12.00	OP17 Stjepan K. Kračun	RECIPROCAL FLUORESCENT OLIGOSACCHARIDE PROBES FOR DETAILED TRACKING OF DEVELOPMENTALLY REGULATED POLYSACCHARIDES IN EXTRACELLULAR MATRICES OF DIFFERENT ORGANISMS
12.00–14.00	Lunch 4	
14.00–14.30	IL8 Vojtěch Spiwok	TOWARDS ACCURATE PREDICTION OF CONFORMATIONAL EQUILIBRIA OF MONOSACCHARIDES BY MOLECULAR SIMULATIONS
14.30–14.50	OP18 Ekaterina Baeva	STRUCTURE OF POLYSACCHARIDES ISOLATED FROM BASIDIOCARPS OF MUSHROOM <i>PLEUROTUS OSTREATUS</i>
14.50–15.10	OP19 Juraj Kóňa	SEARCH OF SELECTIVE INHIBITORS OF GOLGI α -MANNOSIDASE II
15.10–15.30	OP20 Vladimír Sládek	INTERACTION PATTERN SWITCHING IN LIGAND•••RECEPTOR BINDING IN GOLGI α -MANNOSIDASE II INDUCED BY INHIBITORS PROTONATION STATE
17.00–18.00	Wine tasting at the Castle	
19.00–	Farewell party	
Friday 30th June		
7.30–9.00	Breakfast	
9.00–9.10	Closing remarks (Miroslav Kooš, Jaroslav Katrlík)	
Morning	Bus departure from Smolenice	