



SCIENTIFIC PROGRAMME

BRAZIL/SÃO PAULO TIMEZONE - GMT -3

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SUNDAY - JULY 10

	MAIN ROOM
8:00am-9:30am	Carbohydrate International Organization meeting
9:30am-10:30am	Opening Ceremony and Memorial Address Ivone Carvalho Amelia Pilar Rauter Zbigniew Witczak
10:30am-11:15am	Whistler Award Lecture 2020 <i>“N-Glycans on proteins”</i> Yasuhiro Kajihara (Japan) Chair: Amelia P. Rauter
11:15am-12:00noon	Young Researcher Lecture Chair: Amelia P. Rauter 1 st Young Researcher Lecture 2020 <i>“Polysaccharide-degrading oxidoreductases”</i> Daniel Kracher (Austria)
12:00 noon-12:45pm	2 nd Young Researcher Lecture 2020 <i>“Development of sialic acid chemistry and its application for biological study”</i> Naoko Komura (Japan)
12:45pm-01:00pm	Brazilian Folklore Presentation

*PL: Plenary lecture (45 min); KL: Keynote lecture (30 min); OL: Oral presentation (15 min); FL: Flash presentation (07 min).

Parallel sections: Synthesis 04; Glycobiology 03, Carbohydrate Polymer 02 and Material Sciences, New Development in Glycoscience 03, Carbohydrates for Medicine and Diagnosis 03, Carbohydrate Structure and Analysis 02 and Glycoconjugates and Vaccines 03.



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MONDAY - JULY 11

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	Section 1 Synthesis Chair: Alexei V. Demchenko	Section 2 Glycobiology Chair: Vanessa L. Campo	Section 3 Carbohydrate Structure and Analysis Chair: Alba Silipo	Section 4 Carbohydrate Polymer and Material Sciences Chair: Steve Eichhorn
8:00am-8:30am	KL1 "Synthetic glyco-tools for exploring and exploiting the glycome" Carmen Galan (UK)	KL2 "Harnessing the power of galectin-glycan interactions for the treatment of cancer, autoimmune diseases and infections" Gabriel Rabinovich (ARG)	KL3 "Unusual Glycans for Unusual Viruses" Cristina De Castro (ITA)	KL4 "Novel polysaccharide architectures via selective reactions" Kevin Edgar (USA)
8:30am-9:00am	KL5 "Total Synthesis of Rare Sugar Containing Bacterial Glycoconjugates" Suvarn S. Kulkarni (India)	KL6 "Deep Exploration of the Dynamic and Complex Glycoproteome of our Innate Immune System" Morten T-Andersen (Australia)	KL7 "Targeting C-type lectin receptors for immune modulation" Christoph Rademacher (Austria)	KL8 "Polysaccharide colloids-self-assembly and functional materials" Ahu Gumrah-Parry (UK)
9:00am-9:15am	Break and folklore presentation			
9:15am-10:00am	MAIN ROOM PL1 - Synthesis "Remote Conformational Control of Reactivity in the Formation and Cleavage of Glycosidic Bonds: From the Lab Bench to Nature" David Crich (USA) College of Pharmacy in Athens, GA, USA, University of Georgia Chair: Alexei V. Demchenko			
10:00am-10:45am	MAIN ROOM PL2 - Glycobiology "Glycans at the Host-Microbe Interface" Laura Kiessling (USA) Department of Chemistry, Massachusetts Institute of Technology Chair: xi-Chen			
10:45am-11:00am	Break and folklore presentation			
	Section 21 - Synthesis Chair: Flávio S. Emery	Section 22 - Glycobiology Chair: Carolina P. Aires Garbellini	Section 23 - Carbohydrate Structure and Analysis Chair: Daniel F. Kawano	Section 24 - Carbohydrate Polymer and Material Sciences Chair: Lilian S. C. Bernardes
11:00am-11:15am	OL1	OL2	OL3	OL4
11:15am-11:30am	OL5	OL6	OL7	OL8
11:30am-11:45am	OL9	OL10	OL11	OL12
11:45am-12:00noon	OL13	OL14	OL15	OL16
12:05pm-12:12pm	FL1	FL2	FL3	FL4
12:13pm-12:20pm	FL5	FL6	FL7	FL8
12:21pm-12:28pm	FL9	FL10	FL11	FL12



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TUESDAY - JULY 12

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	Section 5 Synthesis Chair: Zbigniew Witczak	Section 6 New Development in Glycoscience Chair: Sebastien Vidal	Section 7 Carbohydrates for Medicine and Diagnosis Chair: Spencer Williams	Section 8 Glycoconjugates and Vaccines Chair: Nikolay E. Nifantiev
8:00am-8:30am	KL9 <i>Microwave-Assisted Glycosylation and Immunotherapeutic Development</i> Peter Andreana (USA)	KL10 <i>Insight in carbohydrate lipophilicity: anomers of fluorinated monosaccharides</i> Bruno J Linclau (Belgium)	KL11 <i>"Unlocking the Sulfation Code of Glycosaminoglycans"</i> Linda-H-Wilson (USA)	KL12 <i>"New technologies pave the way for next generation glycoconjugate vaccines"</i> Maria Rosaria Romano (Italy)
8:30am-9:00am	KL13 <i>"Probing Specific Interactions of Synthetic Cell-Surface Heparan Sulfate Saccharides with Disease-Related Proteins"</i> Shang-Cheng Hung (Taiwan)	KL14 <i>"Siglecs as checkpoints in regulation of immune responses"</i> James C. Paulson (USA)	KL15 <i>"Deciphering the role of glycosylation in cancer: biological functions and implications for therapy"</i> Celso Reis (Portugal)	KL16 <i>"Chemical Synthesis-Driven Glycoconjugate Vaccines for Bacterial Infectious Diseases"</i> Jian Yin (China)
9:00am-9:15am	Break and folklore presentation			
9:15am-10:00am	MAIN ROOM PL3 - Carbohydrate Structure and Analysis <i>"Modeling mechanisms of glycosylation reactions in CAZymes hand-in-hand with experiments"</i> Carme Rovira (Spain) Department of Inorganic and Organic Chemistry, University of Barcelona Chair: Alba Silipo			
10:00am-12:00noon	POSTER ROOM Poster sections Synthesis Glycobiology New Development in Glycoscience Carbohydrate Structure and Analysis Carbohydrate Polymer and Material Sciences Carbohydrates for Medicine Diagnosis Glycoconjugates and Vaccines Sponsors			
12:15pm-01:00pm	MAIN ROOM PL4 - New Developments in Glycosciences <i>"Therapeutic Opportunities in Glycoscience"</i> Carolyn Bertozzi (USA) Department of Chemistry, School of Humanities and Sciences, Stanford University Chair: Sebastien Vidal			



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WEDNESDAY - JULY 13

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	Section 9 Carbohydrates for Medicine Diagnosis Chair: Valentin Wittmann	Section 10 Glycobiology Chair: Carolina P. A. Garbellini	Section 11 Carbohydrate Structure and Analysis Chair: Marie-Rose Van Calsteren	Section 12 Carbohydrate Polymer and Material Sciences Chair: Steve Eichhorn
8:00am-8:30am	KL17 <i>"Surprises from diagnostic kit antibodies: re-investigating specificity using synthetic oligosaccharides"</i> Vadim B. Krylov (Russia)	KL18 <i>"Biological roles of glycans in stem cells"</i> Shoko Nishihara (Japan)	KL19 <i>"Deciphering the hydrolysis/transglycosylation partition in hydrolytic glycoside hydrolases"</i> Régis Faure (France)	KL20 <i>"Well-defined polymers for interfacial tailoring of cellulosic Nanocomposites"</i> Eva Malmström Jonsson (Sweden)
8:30am-9:00am	KL21 <i>"A molecular view of dietary starch utilization by human gut bacteria"</i> Nicole Koropatkin (USA)	KL22 <i>"Nucleotide sugar biosynthesis and glycosylation in the 'wrong places' - how trypanosome parasites set new precedents"</i> Michael A. Ferguson (UK)	KL23 <i>"Discovery and mechanistic elucidation of unprecedented carbohydrate-active protein families"</i> Mario Murakami (Brazil)	KL24 <i>"Polysaccharides And Nanocellulose For Advanced Applications: From Optical Fibers To Biomedical Cancer Culture Media For Personalized Medication"</i> Olli Ikkala (Finland)
9:00am-9:15am	Break and folklore presentation			
9:15am-10:00am	MAIN ROOM			
	PL5 - Synthesis <i>"Challenge to the synthesis of sialoglyco-architectures"</i> Hiromune Ando (Japan) Institute for Glyco-core Research (iGCORE), Gifu University Chair: Yasuhiro Kajihara			
10:00am-10:45am	MAIN ROOM			
	PL6 - Glycoconjugates and Vaccines <i>"Semi-Synthetic Glycoconjugate Vaccines"</i> Peter Seeberger Max-Planck Institute for Colloids and Surfaces in Potsdam, Freie Universität Berlin and Potsdam University Chair: Roberto Adamo			
10:45am-11:00am	Break and folklore presentation			
	Section 25 - Synthesis Chair: Flávio S. Emery	Section 26 - Carbohydrates for Medicine Diagnosis Chair: Lilian S. C. Bernardes	Section 27 - New Development in Glycoscience Chair: Daniel F. Kawano	Section 28 - Glycoconjugates and Vaccines Chair: Vanessa L. Campo
11:00am-11:15am	OL17	OL18	OL19	OL20
11:15am-11:30am	OL21	OL22	OL23	OL24
11:30am-11:45am	OL25	OL26	OL27	OL28
11:45am-12:00noon	OL29	OL30	OL31	OL32
12:05pm-12:12pm	FL13	FL14	FL15	FL16
12:13pm-12:20pm	FL17	FL18	FL19	FL20
12:21pm-12:28pm	FL21	FL22	FL23	FL24
12:28pm-01:00pm	Carbohydrate Research-Elsevier editors meeting			



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THURSDAY - JULY 14

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	Section 13 Synthesis Chair: Carola Gallo-Rodriguez	Section 14 New Development in Glycoscience Chair: Peterson de Andrade	Section 15 Carbohydrates for Medicine and Diagnosis Chair: Shang-Cheng Hung	Section 16 Glycoconjugates and Vaccines Chair: Roberto Adamo
8:00am-8:30am	KL25 <i>"Glyco-BODIPYs: Exploring the benefits of novel carbohydrate-BODIPY hybrids"</i> Ana María Gómez López (Spain)	KL26 <i>"Synthetic Staphylococcus aureus glycans for glycoimmunology"</i> Jeroen Codee (Netherlands)	KL27 <i>"Role of precise glycosylation regulation of APP in AB production"</i> Yan Zhang (China)	KL28 <i>"Carbohydrate vaccines - a sweet solution in the fight against group A Streptococcus infection"</i> Rachel Stephenson (Australia)
8:30am-9:00am	KL29 <i>"How to conduct the thiol-ene reactions of exo- and endoglycals efficiently and selectively?"</i> Aniko Borbas (Hungary)	KL30 <i>"Role of Glycosylation in the SARS-CoV-2 Spike Structure and Function"</i> Elisa Fadda (Ireland)	KL31 <i>"Glycomimetic Probes for Profiling Glycosidases"</i> Tanja Wrodnigg (Austria)	KL32 <i>"Chemo-enzymatic synthesis of complex glycans to explore host-guest interactions"</i> Geert-Jan Boons (Netherlands)
9:00am-9:15am	Break and folklore presentation			
9:15am-10:00am	MAIN ROOM PL7 - Carbohydrate polymers and Material Sciences <i>"Biomimetic colour engineering from nature to applications"</i> Silvia Vignolini (UK) Yusuf Hamied Department of Chemistry, University of Cambridge Chair: Steve Eichhorn			
10:00am-12:00noon	POSTER ROOM Poster sections Synthesis Glycobiology New Development in Glycoscience Carbohydrate Structure and Analysis Carbohydrate Polymer and Material Sciences Carbohydrates for Medicine Diagnosis Glycoconjugates and Vaccines Sponsors			
12:15pm-01:00pm	MAIN ROOM PL8 - Carbohydrates for Medicine and Diagnosis <i>"Broad-spectrum Vaccines and Antibodies through Glycoengineering"</i> Chi-Huey Wong (USA) Department of Chemistry, Scripps Research Institute, California Genomics Research Center, Academia Sinica, Taiwan Chair: Spencer Williams			



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FRIDAY - JULY 15

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
	Section 17 Synthesis Chair: Zbigniew Witczak	Section 18 Glycobiology Chair: Kiyoko F. Aoki-Kinoshita	Section 19 New Development in Glycoscience Chair: Hermen Overkleeft	Section 20 Glycoconjugates and Vaccines Chair: Marcelo Baruffi
8:00am-8:30am	KL33 <i>"Merging superacid and carbohydrate chemistries to explore glycosyl cations"</i> Yves Blériot (France)	KL34 <i>"Is glycosylation the link between diabetes and cancer?"</i> Adriane Todeschini (Brazil)	KL35 <i>"Synthetic carbohydrate-based materials"</i> Martina Delbianco (Germany)	KL36 <i>"Optimising Mincle ligands for improved vaccine efficacy."</i> Bridget Stocker (New Zealand)
8:30am-9:00am	KL37 <i>"From glycomimetics to novel multivalent ligands. Synthesis and potential applications"</i> María L. Uhrig (Argentina)	KL38 <i>"Galectin-3 in cancer: from marker to target"</i> Roger Chammas (Brazil)	KL39 <i>"Genetically-encoded Liquid Glycan Arrays"</i> Ratmir Derda (Canada)	KL40 <i>"Structure-Based Design of Potent Tumor-Associated Antigens and their applications to develop cancer vaccines"</i> Francisco Corzana (Spain)
9:00am-9:15am	Break and folklore presentation			
	MAIN ROOM			
9:15am-10:00am	PL9 - Whistler Award Lecture 2022 <i>"Pushing the boundary of chemical syntheses of complex glycans and glycoconjugates"</i> Biao Yu (China) PI Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences & Hangzhou Institute for Advanced Study, University of Chinese Academy of Sciences Chair: Amelia P Rauter			
	MAIN ROOM			
10:00am-10:45am	PL10 - Young investigator Lecture 2022 <i>"From glycodendritic systems to complex oligosaccharides to interfere in dc-sign-mediated biological processes"</i> Javier Ramos-Soriano (Spain) Juan de la Cierva-Incorporación Researcher, Glycosystems Laboratory, Instituto de Investigaciones Químicas (IIQ), CSIC Chair: Amelia P Rauter			
10:45am-11:00am	Break and folklore presentation			
	MAIN ROOM			
11:00am-12:00noon	Closing Ceremony			