



SCIENTIFIC PROGRAMME

BRAZIL/SÃO PAULO TIMEZONE - GMT -3

Compare timezone: https://time.is/São_Paulo

SUNDAY - JULY 10

| MAIN ROOM | |
|--------------------|--|
| 8:00am-9:30am | Carbohydrate International Organization meeting |
| 9:30am-10:00am | Opening Ceremony |
| 10:00am-10:30am | Memorial Address |
| | Zbigniew Witczak |
| 10:30am-11:15am | Whistler Award Lecture 2020 |
| | “N-Glycans on proteins” |
| | Yasuhiro Kajihara (Japan) Chair: TBD |
| 11:15am-12:00noon | Young Researcher Lecture |
| | Chair: TBD |
| | 1 st Young Researcher Lecture 2020 “Development of sialic acid chemistry and its application for biological study” Naoko Komura (Japan) |
| 12:00 noon-12:45pm | 2 nd Young Researcher Lecture 2020 |
| | “Polysaccharide-degrading oxidoreductases” Daniel Kracher (Austria) |
| 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: TBD | Section 2 Glycobiology Chair: TBD | Section 3 Carbohydrate Structure and Analysis Chair: TBD | Section 4 Carbohydrate Polymer and Material Sciences Chair: TBD |
| 8:00am-8:30am | KL1 <i>"Synthetic glyco-tools for exploring and exploiting the glycome"</i> Carmen Galan (UK) | KL2 <i>"Harnessing the power of galectin-glycan interactions for the treatment of cancer, autoimmune diseases and infections"</i> Gabriel Rabinovich (ARG) | KL3 <i>"Unusual Glycans for Unusual Viruses"</i> Cristina de Castro (ITA) | KL4 <i>"Novel polysaccharide architectures via selective reactions"</i> Kevin Edgar (Canada) |
| 8:30am-9:00am | KL5 <i>"Total Synthesis of Rare Sugar Containing Bacterial Glycoconjugates"</i> Suvarn S. Kulkarni (India) | KL6 <i>"Deep Exploration of the Dynamic and Complex Glycoproteome of our Innate Immune System"</i> Morten T-Andersen (Australia) | KL7 <i>"Targeting C-type lectin receptors for immune modulation"</i> Christoph Rademacher (Austria) | KL8 <i>"Polysaccharide colloids-self-assembly and functional materials"</i> Ahu Gumrah-Parry (UK) |
| 9:00am-9:15am | Break and folklore presentation | | | |
| 9:15am-10:00am | MAIN ROOM PL1 - Synthesis <i>"Remote Conformational Control of Reactivity in the Formation and Cleavage of Glycosidic Bonds: From the Lab Bench to Nature"</i> David Crich (USA) College of Pharmacy in Athens, GA, USA, University of Georgia Chair: TBD | | | |
| 10:00am-10:45am | MAIN ROOM PL2 - Glycobiology <i>Title to be confirmed</i> Laura Kiessling (USA) Department of Chemistry, Massachusetts Institute of Technology Chair: TBD | | | |
| 10:45am-11:00am | Break and folklore presentation | | | |
| | ROOM 1 Section 21 - Synthesis Chair: TBD | ROOM 2 Section 22 - Glycobiology Chair: TBD | ROOM 3 Section 23 - Carbohydrate Structure and Analysis Chair: TBD | ROOM 4 Section 24 - Carbohydrate Polymer and Material Sciences Chair: TBD |
| 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: TBD | Section 6 New Development in Glycoscience Chair: TBD | Section 7 Carbohydrates for Medicine and Diagnosis Chair: TBD | Section 8 Glycoconjugates and Vaccines Chair: TBD |
| 8:00am-8:30am | KL9 TBD Peter Andreana (USA) | KL10 TBD 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: TBD | | | |
| 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>Title to be confirmed</i> To be announced Chair: TBD | | | |



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WEDNESDAY - JULY 13

| | ROOM 1 | ROOM 2 | ROOM 3 | ROOM 4 |
|-------------------|--|--|--|--|
| | Section 9 Carbohydrates for Medicine Diagnosis Chair: TBD | Section 10 Glycobiology Chair: TBD | Section 11 Carbohydrate Structure and Analysis Chair: TBD | Section 12 Carbohydrate Polymer and Material Sciences Chair: TBD |
| 8:00am-8:30am | KL17 "Surprises from diagnostic kit antibodies: re-investigating specificity using synthetic oligosaccharides" Vadim B. Krylov (Russia) | KL18 "Biological roles of glycans in stem cells" Shoko Nishihara (Japan) | KL19 "Computer-aided engineering of enzymes to access carbohydrates & beyond" Isabelle André (France) | KL20 "Well-defined polymers for interfacial tailoring of cellulosic Nanocomposites" Eva Malmström Jonsson (Sweden) |
| 8:30am-9:00am | KL21 "A molecular view of dietary starch utilization by human gut bacteria" Nicole Koropatkin (USA) | KL22 "Nucleotide sugar biosynthesis and glycosylation in the 'wrong places' - how trypanosome parasites set new precedents" Michael A. Ferguson (UK) | KL23 "Discovery and mechanistic elucidation of unprecedented carbohydrate-active protein families" Mario Murakami (Brazil) | KL24 TBD Olli Ikkala (Finland) |
| 9:00am-9:15am | Break and folklore presentation | | | |
| 9:15am-10:00am | MAIN ROOM PL5 - Synthesis "Challenge to the synthesis of sialoglyco-architectures" Hirumune Ando (Japan) Institute for Glyco-core Research (iGCORE), Gifu University Chair: TBD | | | |
| 10:00am-10:45am | MAIN ROOM PL6 - Glycoconjugates and Vaccines Title to be confirmed To be announced Chair: TBD | | | |
| 10:45am-11:00am | Break and folklore presentation | | | |
| | ROOM 1 | ROOM 2 | ROOM 3 | ROOM 4 |
| | Section 25 - Synthesis Chair: TBD | Section 26 - Carbohydrates for Medicine Diagnosis Chair: TBD | Section 27 - New Development in Glycoscience Chair: TBD | Section 28 - Glycoconjugates and Vaccines Chair: TBD |
| 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: TBD | Section 14 New Development in Glycoscience Chair: TBD | Section 15 Carbohydrates for Medicine and Diagnosis Chair: TBD | Section 16 Glycoconjugates and Vaccines Chair: TBD |
| 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 TBD Elisa Fadda (Ireland) | KL31 <i>"Glycomimetic Probes for Profiling Glycosidases"</i> Tanja Wrodnigg (Austria) | KL32 TBD 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: TBD | | | |
| 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: TBD | | | |



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FRIDAY - JULY 15

| | ROOM 1 | ROOM 2 | ROOM 3 | ROOM 4 |
|-------------------|---|--|--|--|
| | Section 17 Synthesis Chair: TBD | Section 18 Glycobiology Chair: TBD | Section 19 New Development in Glycoscience Chair: TBD | Section 20 Glycoconjugates and Vaccines Chair: TBD |
| 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>"Uncovering the mechanism of action of antifreeze glycoproteins"</i> Francisco Corzana (Spain) |
| 9:00am-9:15am | Break and folklore presentation | | | |
| 9:15am-10:00am | <p style="text-align: center;">MAIN ROOM</p> <p style="text-align: center;">PL9 - Whistler Award Lecture 2022</p> <p style="text-align: center;"><i>"Pushing the boundary of chemical syntheses of complex glycans and glycoconjugates"</i></p> <p style="text-align: center;">Biao Yu (China) PI Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences & Hangzhou Institute for Advanced Study, University of Chinese Academy of Sciences</p> <p style="text-align: center;">Chair: TBD</p> | | | |
| 10:00am-10:45am | <p style="text-align: center;">MAIN ROOM</p> <p style="text-align: center;">PL10</p> <p style="text-align: center;">Young investigator Lecture 2022</p> <p style="text-align: center;">To be announced</p> <p style="text-align: center;">Chair: TBD</p> | | | |
| 10:45am-11:00am | Break and folklore presentation | | | |
| 11:00am-12:00noon | <p style="text-align: center;">MAIN ROOM</p> <p style="text-align: center;">Closing Ceremony</p> | | | |