



# 30<sup>th</sup> INTERNATIONAL CARBOHYDRATE SYMPOSIUM

BRAZIL/SÃO PAULO TIMEZONE - GMT -3 - Compare timezone: [https://time.is/São\\_Paulo](https://time.is/São_Paulo)

## Monday 11th, July

	Section 21 Synthesis	Section 22 Glycobiology	Section 23 Carbohydrate Structure and Analysis	Section 24 Carbohydrate Polymer and Material Sciences
11:00-11:15	OL1 <b>Jun-ichi Tamura-Japan</b> Chemical and Chemo-Enzymatic Syntheses of Glycans Containing Ribitol Phosphate Scaffolding of Matriglycan	OL2 <b>Cristina Di Carluccio-Italy</b> Molecular Details of <i>N</i> - and <i>O</i> -Glycans Recognition By Siglec-Like Adhesins From <i>Streptococcus Gordonii</i> and <i>Mitis</i>	OL3 <b>Shogo Urakami-Japan</b> O antigen identification from a single colony of gram-negative bacteria by MALDI-TOF MS	OL4 <b>Tomonari Tanaka-Japan</b> Aqueous One-Pot and Chemo-Enzymatic Synthesis of Glycopolymers from Unprotected Sugars
11:15-11:30	OL5 <b>José L. de Paz-Spain</b> Synthesis of Sulfated Oligosaccharides Containing an Anomeric Fluorous Tag and Interaction with Growth Factors	OL6 <b>Mahima Sharma- Australia</b> Oxidative Desulfurization Pathway for Complete Catabolism of Sulfoquinovose	OL7 <b>Elisabete Coelho-Portugal</b> Exquisite Structural Features of Brewer's Spent Yeast Cell Wall Polysaccharides: Opportunity for Novel Applications	OL8 <b>Noureddine Abidi-USA</b> Three-Dimensional Chitin Cell Culture Matrices for Biomedical Applications
11:30-11:45	OL9 <b>Stéphanie Norsikian-France</b> Total Synthesis of Tiacumicin B: Implementing H-Bond-Directed Acceptor Delivery For Highly Selective $\beta$ -Glycosylations	OL10 <b>Andreia Peixoto- Portugal</b> Metabolomics, Transcriptomics and Functional Glycomics Reveals Bladder Cancer Cells Plasticity and Enhanced Aggressiveness Facing Hypoxia and Glucose Deprivation	OL11 <b>Flaviana Di Lorenzo-Italy</b> Gut Microbiota Lipopolysaccharides: is it time for a paradigm shift?	OL12 <b>Julia L. Shamshina-USA</b> Is Cryogrinding for Biopolymers a Proper Substitute for Conventional Ball Milling?
11:45-12:00	OL13 <b>Gavin J. Miller-UK</b> Chemoenzymatic Synthesis Of Ndp Sugars as Chemical Biology Tools to Explore the Gdp-Mannose Dehydrogenase From <i>Pseudomonas Aeruginosa</i>	OL14 <b>Leonardo Freire-de-Lima-Brazil</b> Involvement of PP-GalNac-T6 and O-Glycosylated Oncofetal Fibronectin in Human Multiresistant Breast Cancer Cell Lines	OL15 <b>Kelvin Anggara-Germany</b> Imaging Single Glycans and Glycoconjugates	OL16 <b>Nitish Verma-Taiwan</b> Glycosyl Oxazolines Serve as Active Donors for Iterative Synthesis of Type I Oligosaccharides Era de Synthesis



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12:05-12:12	<p>FL1 <b>karim Jarmoni-France</b> Impact of glycosylation on the properties of imidazopyridines: solubility vs. activity</p>	<p>FL2 <b>Marie Demonceaux-France</b> Regioselective Enzymatic Glucosylation of Flavonoids</p>	<p>FL3 <b>Shinya Hanashima-Japan</b> Dynamic Assembly and Interaction of Glycosphingolipids in Cholesterol-Containing Model Membranes</p>	<p>FL4 <b>Sabrina Bertini-Italy</b> Derivatized Chitosans for Capillary Electrophoresis</p>
12:13-12:20	<p>FL5 <b>Lukas Scheibelberger-Austria</b> Synthesis of 4-deoxy-4-fluoro-D-sedoheptulose</p>	<p>FL6 <b>Lareno L. Villones Jr.-Japan</b> Exploring the Functional Pairing of Human Galectins Toward Synthetic O-Mannosylated Core M1 Glycopeptides of A-Dystroglycan</p>	<p>FL7 <b>Pedro M Nieto-Spain</b> Analysis of the interactions between Midkine and Pleiotrophin with Chondroitin Sulfate and mimetics by NMR and Modelling</p>	<p>FL8 <b>Verónica Elena Manzano-Argentina</b> Synthesis and Characterization of Glucose Derivatives Copolymers</p>
12:21-12-28	<p>FL9 <b>Eoghan M. McGarrigle-Ireland</b> Stereoselective 1,2-Cis-Glycosylations</p>	<p>FL10 <b>Rebeca Kawahara-Australia</b> Systems Glycobiology to Uncover Tumour Microenvironment Glycosignatures Associated with Cancer Progression</p>	<p>FL11 <b>Angela Casillo-Italy</b> Capsular Polysaccharide From The Vesicles and The Cells of Shewanella Vesiculosa H13 Bacterium</p>	<p>FL12 <b>Luciana Silva- Portugal</b> Production of Sustainable Polymers from Sugars Derived from Lignocellulosic Biomass</p>



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## Wednesday, 13th July

	Section 25 Synthesis	Section 26 Carbohydrates for Medicine Diagnosis	Section 27 New Development in Glycoscience	Section 28 Glycoconjugates and Vaccines
11:00-11:15	OL17 <b>Todd L. Lowary-Taiwan</b>  Synthesis of 1,2- <i>Cis</i> Furanosides: Does Constricting the Donor Always Provide Good Stereocontrol?	OL18 <b>Valerio Zullo-Italy</b>  Molecularly Imprinted Polymers (Mips) from a Muc1-Tn Mimetic Antigen as Template	OL19 <b>Benjamin Schumann-UK</b>  Chemical Precision Tools for Cell-specific Bioorthogonal Tagging of Glycoproteins	OL20 <b>Yukari Fujimoto-Japan</b>  Synthesis and immunomodulatory activities of microbial glycoconjugates containing phosphatidyl inositol
11:15-11:30	OL21 <b>Yes Queneau-France</b>  Morita-Baylis-Hillman Route Toward Biobased Surfactants from Carbohydrate-Derived Furanic Aldehydes	OL22 <b>Ana Marta de Matos - Portugal</b>  C-glucosylation: a new molecular design tool for the prevention of pains-promoted membrane alterations	OL23 <b>H Odaka-Japan</b>  Simultaneous Analysis of Glycan and RNA in Single Cells	OL24 <b>Mario A. Monteiro-Canada</b>  Anti-diarrheal glycoconjugate vaccines
11:30-11:45	OL25 <b>Mareike A. Rapp-Germany</b>  Rapid Glycoconjugation with Glycosyl Amines	OL26 <b>Rachel Hevey-Switzerland</b>  Identification Of Mucin O-Glycan Structures as Natural Inhibitors of Candida Albicans Pathogenicity	OL27 <b>Jhieh-Yi Huang-Germany</b>  Learning From Bacteria to Produce Novel Cellulose-Based Materials	OL28 <b>A. Fernández-Tejada-Spain</b>  Novel Synthetic Saponin Adjuvants and Self-Adjuvanting Vaccines
11:45-12:00	OL29 <b>Jindřich Karban-Czechoslovakia</b>  Synthesis of Fluorinated Chitobiose Analogues	OL30 <b>Karolina Wojtczak-Ireland</b>  Shining a Light on Bacteria : Lanthanide-based Glycoconjugate Molecular Sensors for Lectins	OL31 <b>Giulio Fittolani-Germany</b>  Synthesis of a Glycan Hairpin	OL32 <b>Riping Phang-Taiwan</b>  Development of One-Pot Synthesis of Lewis A-Tandem-Repeat Oligosaccharides as Cancer Vaccines



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12:05-12:12	<p>FL13</p> <p><b>Rui Hagino-Japan</b></p> <p>Chemical synthesis of clickable ADP ribose molecules using late-stage protecting-group-free pyrophosphate coupling reaction</p>	<p>FL14</p> <p><b>Andrea Fernández Martínez-Spain</b></p> <p>Synthesis and evaluation of glycomimetics as potential Siglecs immunomodulators</p>	<p>FL15</p> <p><b>Ryo Okamoto-Japan</b></p> <p>Dissecting the hydration of glycans on proteins by using total chemical synthesis of glycoproteins</p>	<p>FL16</p> <p><b>Marcelo F. Fiori-Brazil</b></p> <p>Synthesis of MUC1-derived glycopeptide bearing a novel triazole STn analogue</p>
12:13-12:20	<p>FL17</p> <p><b>Carmen Rosa Cori-Argentina</b></p> <p>Synthesis of the Benzyl <math>\beta</math>-Glycoside Analogue of the Core 2 trisaccharide of Mucins of <i>Trypanosoma Cruzi</i></p>	<p>FL18</p> <p><b>Véronique Blanchard-France</b></p> <p>In Situ N-Glycosylation Signatures of Epithelial Ovarian Cancer Tissue as Defined by MALDI Mass Spectrometry Imaging</p>	<p>FL19</p> <p><b>Anna Ballesteros-Spain</b></p> <p>Rapid and Simple Methodology for the Preparative Scale Release of N-Glycans</p>	<p>FL20</p> <p><b>Cecilia Romanò-Denmark</b></p> <p>TACA-<math>\alpha</math>GalCer Conjugates as Novel Cancer Vaccine Candidates</p>
12:21-12:28	<p>FL21</p> <p><b>Takahiro Moriyama-Japan</b></p> <p>Development of Efficient Synthesis Method of Carbohydrate Analogues by Direct C-Glycosylation</p>	<p>FL22</p> <p><b>Macarena Le Pors-Argentina</b></p> <p>Glycosyl Isoxazoles as Novel Leads for a Targeted Cancer Therapy</p>	<p>FL23</p> <p><b>Thomas Rexter-Germany</b></p> <p>Cell-free enzymatic synthesis of nucleotide sugars for the glycoengineering of proteins</p>	<p>FL24</p> <p><b>Daisuke Takahashi - Japan</b></p> <p>Creation of a Glycoconjugate Vaccine Candidate against Avian Pathogenic <i>Escherichia coli</i> O1</p>