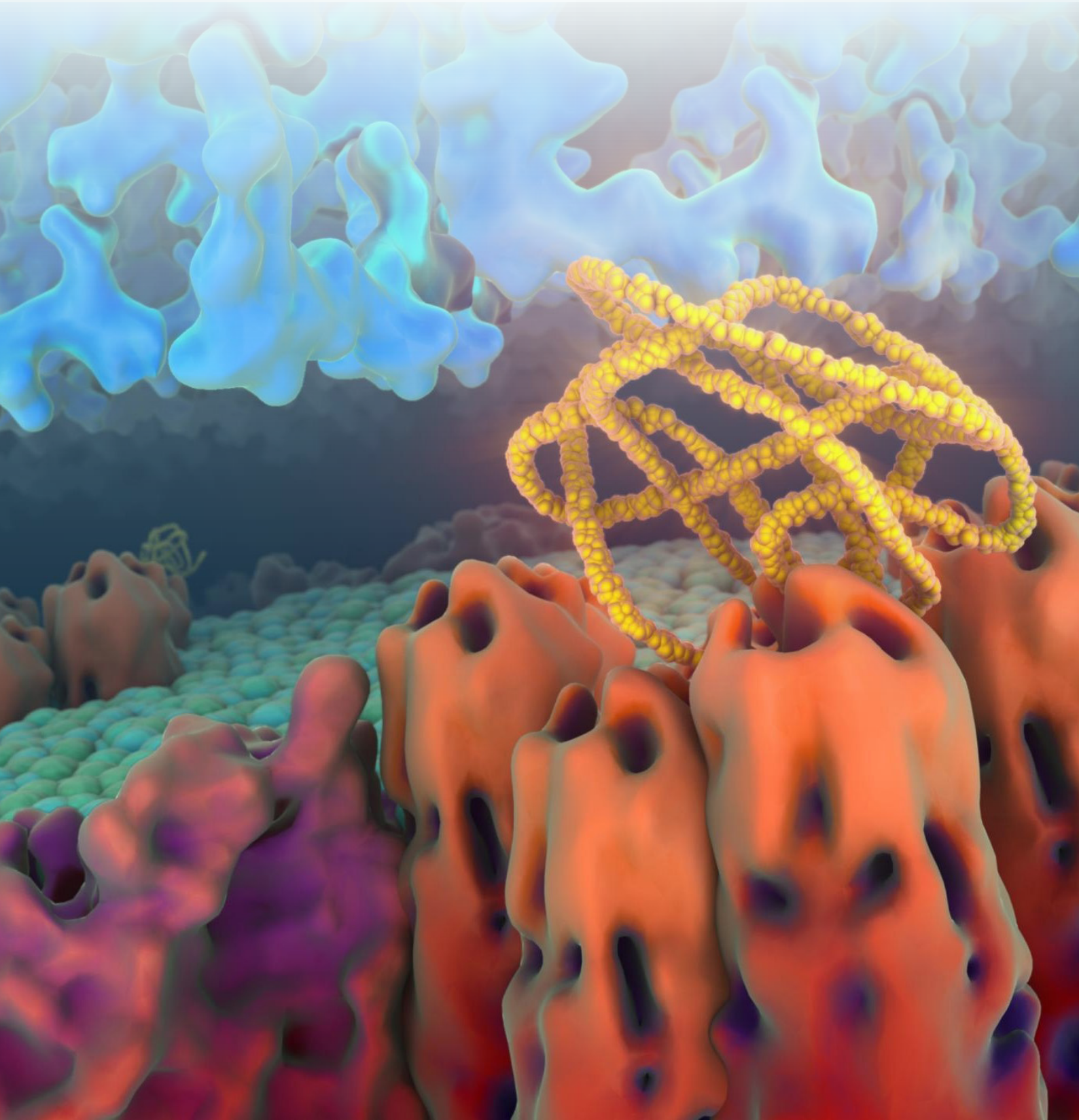
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2nd Glycobiology World Congress

August 29-31, 2016 Atlanta, USA

Scientific Program



Day 1 August 29, 2016

08:30-09:30 Registrations

Chattahochee A

conferenceseries.com 09:30-10:00 **Opening Ceremony**

Keynote Forum

10:00-10:05 Introduction

10:05-10:35 **Title: Effects of temperature and sodium hyaluronate on fluorescence of type I calf skin solutions at physiological pH**
Julian M Menter, Morehouse School of Medicine, USA

10:35-11:05 **Title: Oseltamivir-conjugated polymeric micelles engineered as active smart drug delivery platforms for effective tumor targeting**
Myron R Szewczuk, Queen's University, Canada

Group Photo

Networking and Refreshment Break 11:05-11:20 @ Foyer

11:20-11:50 **Title: Metabolic engineering for oligo- and poly-saccharide synthesis: Challenges and opportunities**
Rachel Chen, Georgia Institute of Technology, USA

Track 1: Glycans in Diseases and Therapeutics
Track 2: Glycobiology: Its Role In Human Health
Track 3: Glycobiology and Biotechnology
Track 4: Glycomics and Bioinformatics

Session Chair: Julian M Menter, Morehouse School of Medicine, USA
Session Co-Chair: Rachel Chen, Georgia Institute of Technology, USA

Session Introduction

11:50-12:20 **Title: Role of sialylation in 3D multicellular tumor spheroid formation and in vivo tumors**
Myron R Szewczuk, Queen's University, Canada

12:20-12:50 **Title: SAGM-RRBP- Selecting appropriate glycoanalysis methods to reduce risk in biopharmaceutical production**
Iva Turyan, Biogen, USA

12:50-13:20 **Title: Label-free lectin microarrays using fluorescent carbon nanotube sensors: Towards rapid glycan characterization and synthetic lectin design**
Michael S Strano, Massachusetts Institute of Technology, USA

Lunch Break 13:20-14:10 @ Foyer

14:10-14:40 **Title: Ribosomal protein S3 secreted from cancer cell lines is N-glycosylated**
Joon Kim, Korea University, South Korea

14:40-15:10 **Title: Synthesis of human milk oligosaccharides by trans-glycosidases**
Joern Dalgaard Mikkelsen, The Technical University of Denmark, Denmark

Workshop

15:10-16:10 **Title: How the epidermis and dermal collagen/extracellular/matrix interact with each other**
Julian M Menter, Morehouse School of Medicine, USA

Networking & Refreshment Break 16:10-16:25 @ Foyer

16:25-16:55 **Title: Production of sialylated monoclonal antibody in CHO cells**
Yves Durocher, National Research Council, Canada

16:55-17:25 **Title: Cell-free synthesis of glycoproteins**
Stefan Kubick, Fraunhofer Institute for Cell Therapy and Immunology (IZI), Germany

17:25-17:55 **Title: Improvement of core-fucosylated glycoproteome coverage via alternating HCD and ETD fragmentation**
Cheng Ma, Georgia State University, USA

17:55-18:25 **Title: Identification of the binding roles of terminal and internal epitopes via enzymatic synthesized N-glycans with tandem epitopes**
Wanyi Guan, Georgia State University, USA

18:25-18:55 **Title: Glycosphingolipid synthesis is remodeled by statin-mediated reduction of Rab prenylation**
Clifford A Lingwood, University of Toronto, Canada

Panel Discussion

Day 2 August 30, 2016

Chattahochee A

Keynote Forum

10:00-10:30 **Title: Biochemical and functional analysis of modified heptoses from the capsule of *Campylobacter jejuni***
Carole Creuzenet, The University of Western Ontario, Canada

10:30-11:00 **Title: Genetic glycoengineering for improvement of biopharmaceuticals**
Steffen Goletz, Glycotope GmbH, Germany

Networking & Refreshment Break 11:00-11:15 @ Foyer

Track 5: Classification of Glycan Binding Proteins
Track 6: Synthesis and Biological Role of Glycans
Track 7: Evolution of Glycan Diversity
Track 8: Glycan Catabolism and Systemic Physiology

Session Chair: Myron R Szewczuk, Queen's University, Canada
Session Co-Chair: Carole Creuzenet, The University of Western Ontario, Canada

Session Introduction

11:15-11:45 **Title: Vitamin D3 deficiency in the aged**
Maria O Longas, Purdue University, USA

11:45-12:15 **Title: Glyco-markers in personalized cancer chemotherapy with platinum-drugs**
Nahid Razi, AccuDava Inc., USA

12:15-12:45 **Title: Designing de novo sequences of heparan sulfate that exhibit high selectivity for their target**
Umesh R Desai, Virginia Commonwealth University, USA

12:45-13:15 **Title: Quantification of O-linked and N-linked glycome in human fibroblast**
Xueli Li, University of Pennsylvania, USA

Lunch Break 13:15-14:05 @ Foyer

14:05-14:35 **Title: Effect of temperature on photochemical and thermal changes in calf-skin collagen solutions at physiological pH**
Julian M Menter, Morehouse School of Medicine, USA

14:35-15:05 **Title: Cellular O-glycome reporter/amplification to explore O-glycans of living cells**
Tongzhong Ju, Emory University School of Medicine, USA

15:05-15:35 **Title: Integration of nanotechnology into glycomics: Construction and application of glycan and lectin biosensors**
Jan Tkac, Slovak Academy of Sciences, Slovakia

15:35-16:05 **Title: The bradykinin luminal endothelial receptor (B2) flow and agonist sensitivities result from lectin-oligosaccharide interactions**
Ricardo Espinosa-Tanguma, University of San Luis Potosí, Mexico

16:05-16:35 **Title: Elucidation of the functional roles of glycans in cancer development**
Ying Xu, University of Georgia, USA

Networking & Refreshment Break 16:35-16:50 @ Foyer

Poster Presentations @ 16:50-17:15 @ Foyer

Panel Discussion

Day 3 August 31, 2016

Chattahochee A

Keynote Forum

09:15-09:45 **Title: Carbohydrate xenoantigens in pig to human xenotransplantation**
Cheorl-Ho Kim, Sungkyunkwan University, Korea

Track 9: Glyco Immunology
Track 10: Glycans in Drug Design

Session Chair: Cheorl-Ho Kim, Sungkyunkwan University, Korea
Session Co-Chair: Nada Al-Hasawi, Kuwait University, State of Kuwait

Session Introduction

09:45-10:15 **Title: Bacterial ribosome selective aminoglycosides**
Dev P Arya, Clemson University, USA

10:15-10:45 **Title: Inhibition of polysialylation of neural cell adhesion molecule in the kelly neuroblastoma cell line by hexane extracts of the roots of Withania somnifera**
Nada Al-Hasawi, Kuwait University, State of Kuwait

Networking & Refreshment Break 10:45-11:00 @ Foyer

11:00-11:30 **Title: From sequence to 3D-model: An efficient use of homology modeling, molecular dynamics and ligand docking techniques to predict protein-carbohydrate complexes**
Carlos Modenutti, Universidad de Buenos Aires, Argentina

11:30-12:00 **Title: The glycosaminoglycan chain of decorin plays an important role in AMPK signaling**
Ting Ting Zhao, China-Japan Friendship Hospital, P.R. China

12:00-12:30 **Title: Identification of housekeeping basal promoter 5'pcmah-2 of pig CMP-N-acetylneuraminic acid hydroxylase gene**
Choong Hwan Kwak, Sungkyunkwan University, Korea

12:30-13:00 **Title: Intestine specific regulation of pig CMP-N-acetylneuraminic acid hydroxylase gene (pcmah) is specifically controlled by Sp1 binding sites on its promoter: 5'pcmah-1 containing exon 1a and common ORF region (exon 2 to exon 14) is intestine specific**
Sun-Hyung Ha, Sungkyunkwan University, Korea

13:00-13:30 **Title: Disialyl ST8Sia I (GD3 synthase) accumulates GD2 ganglioside and suppress ICAM-1-mediated invasiveness in human breast cancer MDA-MB231 cells**
Jun-Young Park, Sungkyunkwan University, Korea

Lunch Break 13:30-14:15 @ Foyer

Panel Discussion

Bookmark your dates

3rd Glycobiology World Congress

June 26-28, 2017 London, UK

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