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Scientific Program

3rd Glycobiology World Congress

June 26-28, 2017 London, UK



Conference Series-America
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Day 1 | June 26, 2017 | Monday

08:00-08:30 Registrations

Waterfront 4

conferenceseries.com **08:30-09:00** Opening Ceremony

Keynote Forum

09-00-09:10 Introduction

09:10-09:40 Title: The Interaction between dermal type I collagen and hyaluran (HA) in phosphate buffered solution, pH = 7.4

Julian M Menter, Morehouse School of Medicine, USA

09:40-10:10 Title: Specific sialoglycan structures on the cell surface correlate with the ability of cancer cells to form avascular multicellular 3D tumor spheroids and *in vivo* xenograft tumors

Myron R Szewczuk, Queen's University, Canada

Group Photo 10:10-10:15

Network & Refreshment Break 10:15-10:30 @ Foyer

Sessions: Glycans in Drug Design | Glycans in Diseases and Therapeutics | Glycobiology and Structural Biology | Glycobiology and Biotechnology

Session Chair: Robert Engel, Queens College, USA

Session Co-chair: Myron R Szewczuk, Queen's University, Canada

Session Introduction

10:30-10:55 Title: Glycosides as scaffoldings for antibacterial pharmaceuticals

Robert Engel, Queens College, USA

10:55-11:20 Title: ABC cassette transporters regulate glycosphingolipid biosynthesis

Clifford Lingwood, University of Toronto, Canada

11:20-11:45 Title: Biased G protein-coupled receptor agonism and mammalian neuraminidase 1-mediated glycosylated receptor signaling platform

Myron R Szewczuk, Queen's University, Canada

11:45-12:10 Title: Microarray applications in glycobiology

Marc Botcherby, Eggsonchips Limited, UK

12:10-12:35 Title: Polypeptide GalNAc-transferase-13 shows independent prognostic impact in adenocarcinoma lung cancer patients treated with neoadjuvant chemotherapy

Eduardo Osinaga, Institut Pasteur de Montevideo, Uruguay

12:35-13:00 Title: Glycosylation effects the bioavailability of sapanins in herbal extracts

Joanne Blanchfield, The University of Queensland, Australia

Lunch Break 13:00-14:00 @ Restaurant

Workshop

14:00-15:00 Some ground and excited state interactions among extracellular matrix, simple sugars and type I collagens in the dermis

Julian M Menter, Morehouse School of Medicine, USA

15:00-15:25 Title: Exploiting polyphenols for Alzheimer's disease prevention: From nature to the lab

Amelia Pilar Rauter, Universidade de Lisboa, Portugal

15:25-15:50 Title: Applications of nanosensors to glycoprofiling

Daniel Parker Salem, Massachusetts Institute of Technology, USA

Network & Refreshment Break 15:50-16:05 @ Foyer

16:05-16:30 Title: Blocking of Axl receptor for prevention of Zika virus entry into neuroepithelial cells could be a general strategy against *flavivirus* infection

Edita Sarukhanyan, University of Wurzburg, Germany

16:30-16:55	**Title: Thermal and chemical denaturation of *Colocasia esculenta* tuber agglutinin from α2β2 to unfolded state, its 1.74Å crystal structure and a complex crystal structure at 1.85Å with mannose** **Rajagopal Chattopadhyaya,** Bose Institute, India
16:55-17:20	**Title: Angiopoietin-2 mediates endothelial glycocalyx damage** **Bettina Hesse,** University Hospital Muenster, Germany

Panel Discussion

Day 2 | June 27, 2017 | Tuesday

Waterfront 4

Keynote Forum

10:00-10:30	**Title: Analytical glycomics: Biopharmaceutical applications** **Andras Guttman,** University of Debrecen, Hungary
10:30-11:00	**Title: Combination of high resolution HILIC-UPLC-FLD-ESI-QTOF MS/MS with automated data processing for structure determination and quantification of proteins with complex glycan patterns** **Sven Bahrke,** Glycotope GmbH, Germany

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

Sessions: Glycobiology | Glyco Biomarkers | Mass Spectrometry in Proteome Research | Glycobiology in Personalized Medicine

Session Chair: Andras Guttman, University of Debrecen, Hungary
Session Co-chair: Pierre van der Bruggen, Université Catholique de Louvain, Belgium

Session Introduction

11:15-11:40	**Title: Immunosuppression in tumors. Galectins cover human tumor-infiltrating lymphocytes and block their functions** **Pierre van der Bruggen,** Université Catholique de Louvain, Belgium
11:40-12:05	**Title: Glycoprofiling of seminal plasma: Hopes and drawbacks for male infertility testing** **Mirosława Ferens-Sieczkowska,** Medical University of Wrocław, Poland
12:05-12:30	**Title: Heparan sulfate of the glycosaminoglycanic matrix as key regulators of stem cells properties: Toward new strategies for the treatment of degenerative diseases** **Patricia Albanese,** University Paris-Est Créteil, France
12:30-12:55	**Title: Steryl glycosides: The emerging bioactive glycolipids of olive oil** **Raquel Gómez-Coca,** Instituto de la Grasa, Spain

Lunch Break 12:55-14:00 @ Restaurant

Poster Presentations 14:00-15:00 @ Foyer

Poster Judge: Myron R Szewczuk, Queen's University, Canada

P01	**Title: Surface active glycosides: Synthesis and toxicity studies** **Jorge Justino,** University of Lisbon, Portugal
P02	**Title: Polypeptide GalNAc-transferase-13 shows independent prognostic impact in adenocarcinoma lung cancer patients treated with neoadjuvant chemotherapy** **Eduardo Osinaga,** Institut Pasteur de Montevideo, Uruguay
P03	**Title: Polypeptide GalNAc-transferase-13 shows independent prognostic impact in adenocarcinoma lung cancer patients treated with neoadjuvant chemotherapy** **Nora Berois,** Institut Pasteur de Montevideo, Uruguay
P04	**Title: Investigating the surface glycosylation of CHO cells using a combination of novel lectins, fluorescence microscopy and flow cytometry** **Jonathan Cawley,** Dublin City University, Ireland
P05	**Title: Inhibitory roles of a novel glycosaminoglycan-binding peptide on cancer cell motility** **Lily Hui-Ching Wang,** National Tsing Hua University, Taiwan
P06	**Title: Enzymatic synthesis of steryl glycosides and their anticancer therapeutic applications** **Tung-Kung Wu,** National Chiao Tung University, Republic of China

15:00-15:25	**Title: The role of O-GlcNAcylation on colorectal cancer EMT and tumorigenicity** **Isam Khalaila,** Ben Gurion University of the Negev, Israel
15:25-15:50	**Title: Molecular lipid raft composition of primary human brain and kidney endothelial cells emphasizing Shiga toxin glycosphingolipid receptors** **Nadine Legros,** University of Münster, Germany

Network & Refreshment Break 15:50-16:05 @ Foyer

16:05-16:30	**Title: Exploring the synthesis and the biological potential of new structurally diversified *N-glycosyl* compounds as nucleoside analogs or mimetics of glycosyl phosphates and nucleotides** **Nuno Manuel Xavier,** Universidade de Lisboa, Portugal
16:30-16:55	**Title: Investigating the surface glycosylation of CHO cells using a combination of novel lectins, fluorescence microscopy and flow cytometry** **Jonathan Cawley,** Dublin City University, Ireland

Panel Discussion

Day 3 | June 28, 2017 | Wednesday

Waterfront 4

Keynote Forum

10:00-10:30	**Title: Glycosylated ribosomal protein S3, secreted from various cancer cells is a possible cancer biomarker** **Joon Kim,** Korea University, South Korea

Network & Refreshment Break 10:30-10:45 @ Foyer

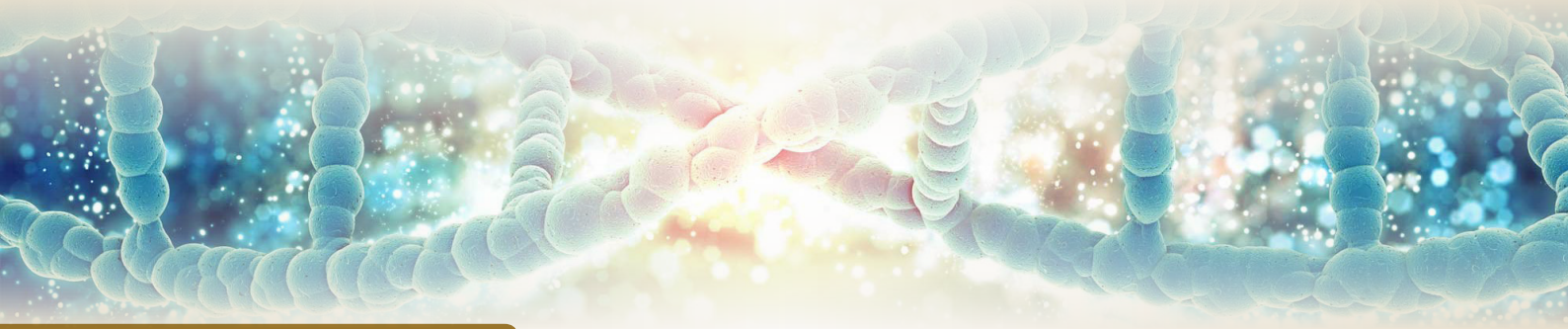
Sessions: Glycoprotein Technologies | Glyco Bioinformatics | Glyco Proteomics | Glycans in Genetic Disorders

Session Chair: Joon Kim, Korea University, South Korea

Session Introduction

10:45-11:10	**Title: Antimicrobial peptides, glycopeptides and peptidoglycans** **Xue-Wei Liu,** Nanyang Technological University, Singapore
11:10-11:35	**Title: N-Glycan analysis on monoclonal antibodies using MALDI-Q-IT-TOF** **Gulce Ozmen,** Ege University, Turkey
11:35-12:00	**Title: Effect of edible fungal polysaccharides on improving influenza vaccine protection in mice** **Minghua Hu,** Infinitus (China) Company Ltd., China

Award & Closing Ceremony



Bookmark your dates

4th Glycobiology World Congress

September 17-19, 2018 Rome, Italy

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