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Scientific Program

3rd Glycobiology World Congress

June 26-28, 2017 London, UK

Theme: "Glycobiology: Simple Construction of Sweet Glycoprobes"



For Available Speaker Slots

glycobiology@conferenceseries.net

19+ Interactive Sessions	15+ Keynote Lectures	75+ Plenary Lectures	5+ Workshops

Conference Secretariat

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http://glycobiology.conferenceseries.com/

Major Scientific Sessions

- Glycobiology
- Genomics and Computational Systems Biology
- Mass Spectrometry in Proteome Research
- Glycans in Drug Design
- Glyco Proteomics
- Glyco Bioinformatics
- Glyco Immunology
- Glyco Biomarkers
- Glycoprotein Technologies
- Glycomics and Metabolomics
- Glycobiology and Biotechnology
- Glycans in Diseases and Therapeutics
- Glycobiology and Structural Biology
- Glycans in Genetic Disorders
- Glycobiology in Personalized Medicine





Welcome Message

Dr. Neil P. J. Price
USDA, Agricultural Research Service
NCAUR, Peoria, IL, USA

Dear Colleagues, Scientists and Friends,

On behalf of the organizing committee and the ConferenceSeries Ltd, it is my pleasure to welcome you to Glycobiology-2017, to be held during **June 26-28, 2017** in **London, England**. This is the **3rd annual Glycobiology World Congress,** following successful previous conferences held in Philadelphia, 2015 and Atlanta, 2016. We extend this welcome to all of the participants from across the globe to take part in this premier event in the beautiful city of London.

The field of glycobiology has moved rapidly since our first Glycobiology conference in 2015. Antibiotic and vaccine development, and renewable bio-energy are major drivers of new research and applications. Technical advances have occurred, especially in mass spectrometry, glycomics, NMR, and labeling and imaging technologies. Biomedical and basic fundamental research into glycolytic enzymes, metabolism, prebiotic oligosaccharides, and plant and microbial cell walls have highlighted the importance of glycobiology to the commercially important businesses of biotechnology and medicine.

Glycobiology-2017, hosted by ConferenceSeries Ltd Group Meetings, is a three day event consisting of a scientific program, comprehensive talks, special sessions, and oral & poster presentations of peer-reviewed contributed papers. We provide a platform where you can exchange your knowledge and experiences with the developing trends in the related fields of glycobiology and carbohydrates. We anticipate interesting new ideas being opened up via the research talks and presentations, and I am looking forward to meeting with you at London, UK this June.

With my regards,

Dr. Neil P. J. Price

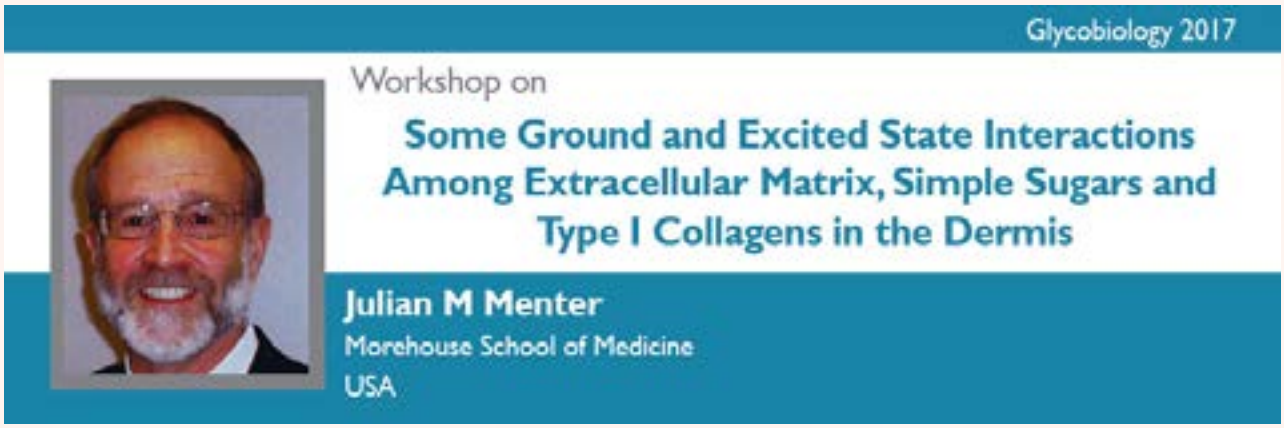
A Few Featured Speakers



Conference Highlights







3rd Glycobiology World Congress

June 26-28, 2017 London, UK

Day 1 | June 26, 2017 | Monday

08:00-08:30	**Registrations**
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 Introduction
	Session Chair: Julian M Menter, Morehouse School of Medicine, USA **Session Co-Chair: Myron R Szewczuk, Queen's University, Canada**
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: Glycolipids dominate the structure of membrane lipid rafts **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
14:00-15:00	Workshop on "some ground and excited state interactions among extracellular matrix, simple sugars and type I collagens in the dermis" by **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,** University of Lisbon, 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
16:05-16:50	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 Discussions

Day 2 | June 27, 2017 | Tuesday

	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 Introduction
	Session Chair: Andras Guttman, University of Debrecen, Hungary **Session Co-Chair: Pierre van der Bruggen, Université catholique de Louvain, Belgium**
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
12:05-12:25	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, Paris Est University, France

12:25-12:50 Title: Steryl glycosides: The emerging bioactive glycolipids of olive oil
Raquel Gómez-Coca, Instituto de la Grasa, Spain

Lunch Break 12:50-13:50 @ Restaurant

13:50-14:15 Title: The Role of O-GlcNAcylation on colorectal cancer EMT and tumorigenicity
Isam Khalaila, Ben Gurion University, Israel

14:15-14:40 Title: Molecular lipid raft composition of primary human brain and kidney endothelial cells emphasizing Shiga toxin glycosphingolipid receptors
Nadine Legros, University of Münster, Germany

14:40-15:05 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, University of Lisbon, Portugal

15:05-15:30 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

Network & Refreshment Break: 15:30-15:45 @ Foyer

Poster Presentations: 15:45-16:45 @ Foyer

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
Nora Berois, Institut Pasteur de Montevideo, Uruguay

P03 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

P04 Title: Inhibitory roles of a novel glycosaminoglycan-binding peptide on cancer cell motility
Lily Hui-Ching Wang, National Tsing Hua University, Taiwan

P05 Title: Enzymatic Synthesis of Steryl Glycosides and Their Anticancer Therapeutic Applications
Tung-Kung Wu, National Chiao Tung University, Republic of China

P06 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

Panel Discussions

Day 3 | June 28, 2017 | Wednesday

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 Introductior

Session Chair:
Session Co-Chair:

10:45-11:10 Title: Antimicrobial Peptides, Glycopeptides and Peptidoglycans
Xue-Wei Liu, Nanyang Technological University, Singapore

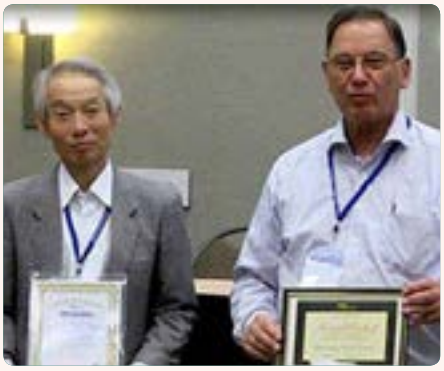
11:10-11:35 Title: N-Glycan analysis on monoclonal antibodies using MALDI-Q-IT-TOF
Gulce Ozmen, Ege University, Turkey

11:35-12:00 Title: Effect of edible fungal polysaccharides on improving influenza vaccine protection in mice
Minghua Hu, Infinitus (China) Company Ltd., China

Closing Ceremony

Note: Tentative Program has been designed with the projected Speakers Names and Titles. Dates and timings in this program are subject to change

Glimpses of previous Conferences














Glimpses of previous Conferences











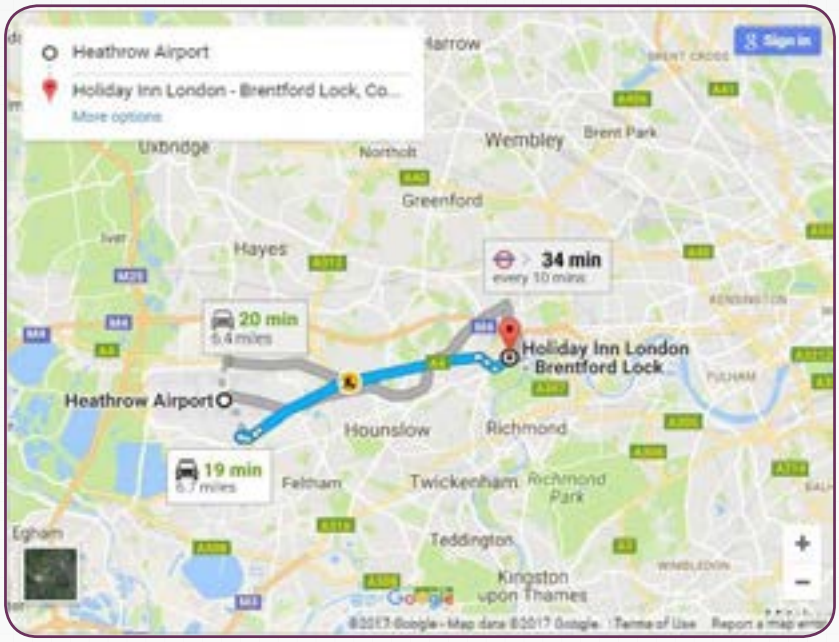





Venue & Accommodation

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