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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

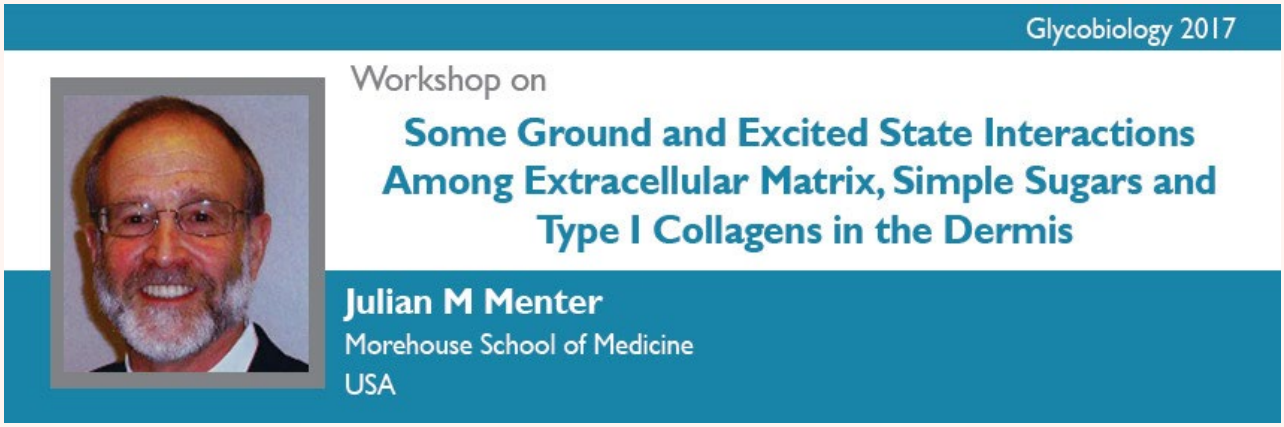
A Few Featured Speakers



Conference Highlights







3rd Glycobiology World Congress

June 26-28, 2017 London, UK

Scientific Program
Day 1 June 26, 2017
Keynote Session
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
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
Networking & Refreshment Break
Speaker Sessions
Title: Molecular lipid raft composition of primary human brain and kidney endothelial cells emphasizing Shiga toxin glycosphingolipid receptors
Nadine Legros, University of Münster, Germany
Title: Applications of Nanosensors to Glycoprofiling
Michael S Strano, Massachusetts Institute of Technology, USA
Title: Exploiting polyphenols for Alzheimer's disease prevention: From nature to the lab
Amelia P Rauter, Universidade de Lisboa, Portugal
Title: Glycosylation effects the bioavailability of sapanins in herbal extracts
Joanne Blanchfield, The University of Queensland, Australia
Title: Synthesis and biological activity of CD1d dependent glycolipid-peptide vaccines
Gavin Painter, University of Otago, New Zealand
Lunch Break
Targeting cancer cell metabolism using sugar-based molecules
Fdelis Ndombera, Wayne State University, USA
Study of physiological structure of PMM1 protein and biological mechanism of IMP substrate binding
Chuyue Xiao, Boston College, USA
Title: Steryl glycosides: The emerging bioactive glycolipids of olive oil
Raquel Gomez-Coca, Instituto de la Grasa, Spain
Title: Heparan sulfate of the glycosaminoglycanic matrix as key regulators of stem cells properties
Patricia Albanese, Paris Est University, France
Workshop on some ground and excited state interactions among extracellular matrix, simple
Julian M Menter, Morehouse School of Medicine, USA
Title: Microarray applications in glycobiology
Marc Botcherby, Eggsonchips Limited, UK
Title: Blocking of Axl receptor for prevention of Zika virus entry into neuroepithelial cells could be
Edita Sarukhanyan, University of Würzburg, Germany
Title: Thermal and chemical denaturation of Colocasia esculenta tuber agglutinin from α2β2 to
Rajagopal Chattopadhyaya, Bose Institute, India
Networking & Refreshment Break
Day 2 June 27, 2017
Keynote Session
Title: Analytical glycomics: Biopharmaceutical applications
Andras Guttman, University of Debrecen, Hungary

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

Networking & Refreshment Break

Speaker Sessions

Title: N- and O-glycosylation are essential for *Ustilago maydis* virulence

Jose Ignacio Ibeas, Universidad Pablo de Olavide, Sevilla Spain

Title: Immunosuppression in tumors. Galectins cover human tumor-infiltrating lymphocytes and block their functions

Pierre van der Bruggen, Université catholique de Louvain, Belgium

Title: The Role of O-GlcNAcylation on Colorectal cancer EMT and tumorigenicity

Isam Khalaila, Ben Gurion University, Israel

Title: Surface active glycosides: Synthesis and toxicity studies

Jorge Justino, Instituto Politécnico de Santarém, Portugal

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

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

Title: Novel 3D graphene nanobiohybrid thin film in glucose sensing

Samira Bagheri, University of Malaya, Malaysia

Lunch Break

Title: Integration of nanotechnology into glycomics: Construction and application of glycan and

Jan Tkac, Slovak Academy of Sciences, Slovakia

Title: Elucidation of the functional roles of glycans in cancer development

Ying Xu, University of Georgia, USA

Title: Alcohol abuse and protein glycosylation with special emphasis on apolipoprotein

Raj Lakshman, The George Washington University, USA

Title: Glycoprofiling of seminal plasma: Hopes and drawbacks for male infertility testing

Mirosława Ferens-Sieczkowska, Medical University of Wrocław, Poland

Title: Structural characterization and biological implications of sulfated N-glycans in a serine

Gleysin Cabrera, Center for Genetic Engineering and Biotechnology, Cuba

Networking & Refreshment Break

Poster Presentations & Young Research Forum

Day 3 June 28, 2017

Keynote Session

Title: Glycosylated ribosomal protein S3, secreted from various cancer cells, is a possible cancer biomarker

Joon Kim, Korea University, South Korea

Speaker Sessions

Title: Bacterial ribosome selective aminoglycosides

Dev P Arya, Clemson University, USA

Title: Proteoglycans and human mesenchymal and neural stem cells – can we control lineage fate?

Larisa M Haupt, Genomics Research Centre, Australia
Networking & Refreshment Break
Title: N-Glycan analysis on monoclonal antibodies using MALDI-Q-IT-TOF
Gulce Ozmen, Ege University, Turkey
Title: Enzymatic synthesis of steryl glycosides and their anticancer therapeutic applications
Tung Kung Wu, National Chiao Tung University, Republic of China
Title: The glycosaminoglycan chain of decorin plays an important role in AMPK signaling
Zhao Ting Ting, China-Japan Friendship Hospital, P R China
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









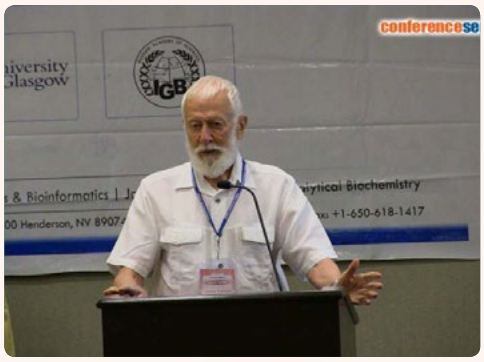







Glimpses of previous Conferences





















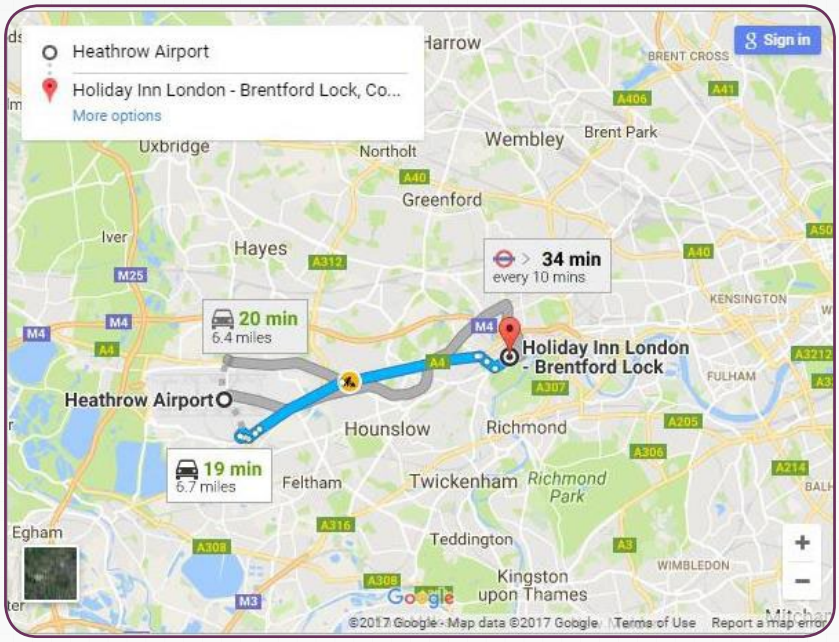




Venue & Accommodation

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