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
Kemp House, 152 City Road, London EC1V 2NX
Email: glycobiology@conferenceseries.net ; glycobiology@biochemistryconferences.com
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
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

Conference Chair

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

Keynote Speakers @ Glycobiology 2017

Neil P J Price
USDA, Agricultural Research Service,
USA

Julian M Menter
Morehouse School of Medicine
USA

Myron R Szewczuk
Queen’s University
Canada

Andras Guttman
University of Debrecen
Hungary

Sven Bahrke
Glycosope GmbH
Germany

Joon Kim
Korea University
South Korea

Workshop on

Some Ground and Excited State Interactions Among Extracellular Matrix, Simple Sugars and Type I Collagen in the Dermis

Julian M Menter
Morehouse School of Medicine
USA

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# 3rd Glycobiology World Congress

**June 26-28, 2017   London, UK**

## 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

## 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

**Title:** 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 α2β2

**Rajagopal Chattopadhyaya,** Bose Institute, India

## Networking & Refreshment Break

### Lunch Break

## Day 2 June 27, 2017

### Keynote Session

**Title:** Analytical glycomics: Biopharmaceutical applications

**Andras Guttman,** University of Debrecen, Hungary

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<table>
<thead>
<tr>
<th>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</th>
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<tr>
<td><strong>Sven Bahrke</strong>, Glycotope GmbH, Germany</td>
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### Speaker Sessions

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<tr>
<th>Title: N- and O-glycosylation are essential for <em>Ustilago maydis</em> virulence</th>
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<tr>
<td><strong>Jose Ignacio Ibeas</strong>, Universidad Pablo de Olavide, Sevilla Spain</td>
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<tr>
<th>Title: Immunosuppression in tumors. Galectins cover human tumor-infiltrating lymphocytes and block their functions</th>
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<tr>
<td><strong>Pierre van der Bruggen</strong>, Université catholique de Louvain, Belgium</td>
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<tr>
<th>Title: The Role of O-GlcNAcylation on Colorectal cancer EMT and tumorigenicity</th>
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<tr>
<td><strong>Isam Khalaila</strong>, Ben Gurion University, Israel</td>
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<tr>
<th>Title: Surface active glycosides: Synthesis and toxicity studies</th>
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<tr>
<td><strong>Jorge Justino</strong>, Instituto Politécnico de Santarém, Portugal</td>
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<tr>
<th>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</th>
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<td><strong>Nuno Manuel Xavier</strong>, Universidade de Lisboa, Portugal</td>
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<tr>
<th>Title: Investigating the surface glycosylation of CHO cells using a combination of novel lectins, fluorescence microscopy and flow cytometry</th>
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<td><strong>Jonathan Cawley</strong>, Dublin City University, Ireland</td>
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<th>Title: Novel 3D graphene nanobiohybrid thin film in glucose sensing</th>
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<tr>
<td><strong>Samira Bagheri</strong>, University of Malaya, Malaysia</td>
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### Lunch Break

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<tr>
<th>Title: Integration of nanotechnology into glycomics: Construction and application of glycan and protein arrays</th>
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<td><strong>Jan Tkac</strong>, Slovak Academy of Sciences, Slovakia</td>
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<th>Title: Elucidation of the functional roles of glycans in cancer development</th>
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<td><strong>Ying Xu</strong>, University of Georgia, USA</td>
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<tr>
<th>Title: Alcohol abuse and protein glycosylation with special emphasis on apolipoprotein</th>
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<tr>
<td><strong>Raj Lakshman</strong>, The George Washington University, USA</td>
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<th>Title: Glycoprofiling of seminal plasma: Hopes and drawbacks for male infertility testing</th>
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<td><strong>Mirosława Ferens-Sieczkowska</strong>, Medical University of Wroclaw, Poland</td>
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<tr>
<th>Title: Structural characterization and biological implications of sulfated N-glycans in a serine gelsolin</th>
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<tr>
<td><strong>Gleysin Cabrera</strong>, Center for Genetic Engineering and Biotechnology, Cuba</td>
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### Networking & Refreshment Break

### Poster Presentations & Young Research Forum

### Day 3 June 28, 2017

### Keynote Session

<table>
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<tr>
<th>Title: Glycosylated ribosomal protein S3, secreted from various cancer cells, is a possible cancer biomarker</th>
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<td><strong>Joon Kim</strong>, Korea University, South Korea</td>
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### Speaker Sessions

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<tr>
<th>Title: Bacterial ribosome selective aminoglycosides</th>
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<td><strong>Dev P Arya</strong>, Clemson University, USA</td>
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<tr>
<th>Title: Proteoglycans and human mesenchymal and neural stem cells – can we control lineage fate?</th>
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<tr>
<td><strong>Raj Lakshman</strong>, The George Washington University, USA</td>
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<td>Speaker</td>
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<tr>
<td>Larisa M Haupt</td>
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<tr>
<td>Gulce Ozmen</td>
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<td>Tung Kung Wu</td>
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<tr>
<td>Zhao Ting Ting</td>
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<td>Minghua Hu</td>
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**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

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