

9th World Congress on
Glycobiology & Glycochemistry

October 14-15, 2020 Rome, Italy



Email: glycobiology@theannualmeet.com

Website: <https://glycobiology.conferenceseries.com/>

Agenda Day-1	
09:30-10:00	Registration
10:00-10:15	Introduction by Moderator
Keynote Forum	
10:15-10:45	Keynote Speaker
Networking & Refreshment Break, 10:45-11:00	
11:10-11:40	Keynote Speaker
11:40-12:10	Keynote Speaker
WorkShop	
12:10-12:55	Workshop Session
Group Photo 12:55-13:00	
Lunch Break 13:00:13:45	
Oral Session I	
13:45-14:05	Session Speaker
14:05-14:25	Session Speaker
14:25-14:55	Session Speaker
14:55-15:15	Session Speaker
15:15-15:35	Session Speaker
Networking & Refreshment Break, 15:35-15:55	
15:55-16:15	Session Speaker
16:15-16:35	Session Speaker
16:35-16:55	Session Speaker
Session Adjournment	
Agenda Day-2	
10:00-10:15	Introduction by Moderator
Keynote Forum	
10:15-10:45	Keynote Speaker
Networking & Refreshment Break, 10:45-11:00	
11:10-11:40	Keynote Speaker
11:40-12:10	Keynote Speaker
Workshop	
12:10-12:55	Workshop Session
Group Photo 12:55-13:00	
Lunch Break 13:00:13:45	
Oral Session I	
13:45-14:05	Session Speaker
14:05-14:25	Session Speaker
14:25-14:55	Session Speaker
14:55-15:15	Session Speaker
15:15-15:35	Session Speaker
Networking & Refreshment Break, 15:35-15:55	
15:55-16:15	Session Speaker
16:15-16:35	Session Speaker
16:35-16:55	Session Speaker
Conference Adjournment	

Day 1 August 27, 2018

Conference Hall: Eleanor

08:00-08:30 Registration

08:30-09:10 Introduction

Keynote Session 1

- 09:10-09:35** **Title: Different populations of ER mannosidase I/Man1b1 play distinct roles in the proteostasis network of the vertebrate secretory pathway**
Richard N. Sifers, Baylor College of Medicine, USA
- 09:35-10:00** **Title: Roles of polyvalency of glycotopes in the mechanism of protein-glycan interactions-one of the most potential directions for the transforming glycosciences**
Albert M.Wu, Chang-Gung University, Taiwan
- 10:00-10:25** **Title: Neuraminidase-1 and its role in multistage tumorigenesis**
Myron R. Szewczuk, Queen's University, Canada
- 10:25-10:50** **Title: Enzymes as powerful biocatalysts for precision synthesis of oligo- and polysaccharides**
Jun-ichi Kadokawa, Kagoshima University, Japan

Panel Discussion

Coffee Break-Poster Pre-View & Networking 10:50-11:10 @ Foyer

Speaker Sessions

Sessions: Glycobiology & Glycochemistry | Molecular Glycoscience & Monosaccharides | Glycoimmunology | Glycopathology: Glycans in Cancer & Neuroscience | Glycoconjugates and Glycomics

Session Chair: Myron R. Szewczuk, Queen's University, Canada

Session Co-chair: Richard N. Sifers, Baylor College of Medicine, USA

- 11:10-11:40** **Title: Isomalto Polysaccharides; soluble food fibres made from starch and their probiotic effects**
P.L. Buwalda, Wageningen University the Netherlands, Netherlands
- 11:40-12:05** **Title: Fucosylation is contributing to the formation of multicellular tumor spheroids generated from prostate cancer cells**
Regina-Veronica Kalaydina, Queen's University, Canada
- 12:05-12:30** **Title: Activation of human insulin receptors is regulated by G protein-coupled receptor signaling and neuraminidase-1 sialidase**
Fiona Haxho, Queen's University, Canada

Panel Discussion

Lunch Break 12:30-13:30 @ Foyer

Keynote Session 2

- 13:30-13:55** **Title: Aberrant sialoglycan patterns facilitate 3D multicellular spheroid and xenograft tumor formation**
Myron R. Szewczuk, Queen's University, Canada
- 13:55-14:20** **Title: Multivalent sugar-lectin interactions. From glycoclusters on oligosaccharide scaffolds to self-assembling structures**
José Kovensky, Laboratoire de Glycochimie, France

Special Professional Session 14:20-15:20

Moderators: Marina Bellani & Francesca Storici

Roundtable Coffee Break Discussion: Issues Facing Women Scientists & Solutions

Speaker Session

- 15:20-15:45** **Title: Structure and engineering of plant UGTs toward drug development and metabolism**
Xiaoqiang Wang, University of North Texas, USA
- 15:45-16:10** **Title: The pivotal role of proteasome subunits in lipopolysaccharide mediated immune response**
Nilofer Qureshi, University of Missouri Kansas City, USA
- 16:10-16:35** **Title: Neuraminidase-1 and its role in multimodal therapy targeting chemotherapy resistance in pancreatic cancer**
Bessi Qorri, Queen's University, Canada

Poster Viewing \Session (16:40-17:40)

Dinner / Evening Activities

Day 2 August 28, 2018

Conference Hall: Dorothy

Keynote Session 3

08:30-08:55 **Title: Roles of PARP-1 and PALB2 in controlling DNA resection and strand invasion during DSB repair**
Jean-Yves Masson, Laval University Cancer Research Center, Canada

Speaker Session: Interstrand Crosslink & Recombinational Repair

Session Chair: Rick Russell

08:55-09:15 **Title: Replication independent repair of DNA interstrand crosslinks mediated by XPF/SNM1A**
Marina Bellani, NIA, NIH, USA

09:15-09:35 **Title: The SMX tri-nuclease: making it safe to play with knives**
Haley Wyatt, University of Toronto, Canada

Speaker Session: DNA Replication Mechanisms

Session Chair: Marc Wold

09:35-09:55 **Title: Mechanism underlying the coordination of high fidelity replication with mutagenesis translesion synthesis**
Mark Sutton, University at Buffalo, USA

09:55-10:15 **Title: Insight into stalled DNA replication fork rescue in *E. coli***
Piero Bianco, University at Buffalo, USA

Coffee Break & Networking 10:15-10:50 @ Foyer

Poster Viewing & Discussion 10:50-11:30

Speaker Session: Genetics & Stress Response

Session Chair: Lata Balakrishnan

11:30-11:50 **Title: Crisis of current genetic concepts and the way to resolve it**
Oleg Tikhodeyev, Saint Petersburg State University, Russia

11:50-12:10 **Title: Genetic basis of yeast tolerance to high temperature revealed by experimental evolution**
Wen-Hsiung Li, University of Chicago, USA

12:10-12:30 **Title: The effect of one night's sleep loss on physical and cognitive task performance in Kuwaiti college students: a sleep dose-response study**
Mohammed Alkatan, Public Authority for Applied Education & Training, Kuwait

Panel Discussion

Lunch Break 12:30-13:30 @ Foyer

Keynote Session 4

13:30-13:55 **Title: Hydralazine induces stress resistance and extends *C. elegans* lifespan by activating the NRF2/SKN-1 signalling pathway**
Hamid Mirzaei, UT Southwestern Medical Center, USA

Speaker Session Part 1: Carcinogenesis, Gene Targets and Pathways

Session Chair: Oleg Tikhodeyev

13:55-14:15 **Title: Genome maintenance by RECQ1 helicase and its implication in cancer biology**
Sudha Sharma, Howard University, USA

14:15-14:35 **Title: Artificial nucleosides and nucleotides: Applications as diagnostic and therapeutic agents against cancer**
Anthony Berdis, Cleveland State University, USA

Speaker Session Part 2: Carcinogenesis, Gene Targets and Pathways

Session Chair: Razvan Chereji

14:35-14:55 **Title: Nucleic acid consequences of targeting mitochondrial RNA polymerase as an anticancer therapeutic strategy**
Rebecca Laposa, University of Toronto, Canada

14:55-15:15 Title: Molecular approaches using small molecule compounds and RNA interference oligonucleotides to investigate mechanistic aspects and therapeutic approaches involving DNA helicases

Robert Brosh Jr. National Institute on Aging, NIH, USA

Coffee Break & Networking 15:15-15:35 @ Foyer

Poster Viewing & Discussion

Selected Short Talks

Session Chair: F. Brad Johnson

15:35-15:50 Title: Selected Poster Abstract Talk 1

15:50-16:05 Title: Selected Poster Abstract Talk 2

16:05-16:20 Title: Selected Poster Abstract Talk 3

Networking Sessions

Panel Discussion

Poster Judge 1: Robert M. Brosh Jr. National Institute on Aging, NIH, USA

Poster Judge 2: Myron R. Szewczuk, Queen's University, Canada

- MBNA 01** Title: **G-quadruplex in PARP1 -mediated DNA damage response**
Andrea D. Edwards, University of Arkansas for Medical Sciences, USA
- MBNA 02** Title: **Hepatitis C Virus Non-structural Protein 3 (HCV NS3) Resolves G4RNA structures**
Binyam Belachew, University of Arkansas for Medical Sciences, USA
- MBNA 03** Title: **The potential protective role of urokinase plasminogen activator against oxidative induced DNA damage in periodontal ligament tissue**
Mahshid Hodjat, Tehran University of Medical Science, Iran
- MBNA 04** Title: **DNA recognition by the BRCA1 tumor suppressor**
Ann J. Fuelle, Oakland University, USA
- MBNA 05** Title: **DNA damage repair response facilitated by the FANCD1 Helicase and the REV1 polymerase**
Mena Jirjees, Oakland University, USA
- MBNA 06** Title: **Lysine acetylation of nuclear Pif1 alters its enzymatic function**
Onyeka Ononye, Indiana University Purdue University Indianapolis, USA
- MBNA 07** Title: **Kinetic basis for DNA target specificity of CRISPR-Cas12**
Isabel Strohkendl, University of Texas at Austin, USA
- MBNA 08** Title: **Nucleolin functions as a negative regulator of androgen receptor transcription**
Sara Moore and Elsa M. Reyes-Reyes, University of Arizona, USA
- MBNA 09** Title: **Effect of Dioclea grandiflora DGL-II lectin on human epidermal keratinocyte proliferation and migration - relationship with its glycotope specificities**
Tania M. Cortázar, National University of Colombia, Colombia
- MBNA 10** Title: **N-glycosylation type and structure analysis of HIV-1 and anti-HIV-1 broadly neutralizing antibodies (bNAbs) by sequential exoglycosidase cleavage and HILIC Chromatography**
Yanhong Yang, Vaccine Research Center, USA
- MBNA 11** Title: **Mechanistic investigations of α -glucosidase activity**
Daniel C Hill, Emergent BioSolutions, USA
- MBNA 12** Title: **Biochemical and structural characterization of STARD10, a phospholipid binding protein**
Ekaterina Shishova, The Sage Colleges, USA

Networking Sessions

Panel Discussion

Awards and Closing Ceremony