Scientific Program

September 21 - 22, 2017 Houston, USA

Day 1

Conference Hall

September 21, 2017

09.00-09.30	Registrations
09.30-10.00	Opening Ceremony

Keynote Forum

10.00-10.45	Title: Effect of temperature on photochemical and thermal changes in calf skin collagen solutions at physiological pH.
	Julian M Menter, Morehouse School of Medicine, USA
10.45-11.30	Title: Galectins glycans and their role in allergic inflammation
	Srirama Rao, University of Minnesota, USA

Networking & Refreshment Break @ 11:30-11:50

Session on: Glycobiology and Medicine | Glycobiology and Proteomics | Glycoconjugates and Glycomics | Glyco-Biomarkers | Glycan Diseases

Session Introduction 11:50-12:00

Session Chair: Julian M Menter, Morehouse School of Medicine, USA

12.00-12.25	Title: Harnessing benefit from targeting tumor associated carbohydrate antigens
	Thomas Kieber-Emmons, University of Arkansas for Medical Sciences, USA
12.25-12.50	Title: Comparison of different approaches for quantitative N-, O-linked glycan and monosaccharide composition analysis in biopharmaceutical production
	Iva Turyan, Biogen, USA

Lunch Break @ 12:50 -13:50

13.50-14.15	Title: β4 Integrin signaling through glycosylation promotes tumor progression
	Yoshinobu Kariya, Fukushima Medical University, Japan
14.15-14.40	Title: Chemokine-glycosaminoglycan interactions and neutrophil recruitment: Simple and yet so complex
	Krishna Rajarathnam, University of Texas Medical Branch, USA
14.40-15.05	Title: Modification of silicone surfaces with carbohydrates to promote formation of non-pathogenic biofilms against pathogenic colonization
	Chengzhi Cai, University of Houston, USA
15.05-15.30	Title: Identification of DNA methylation biomarkers predicting prostate cancer aggressiveness
	Yuyan Han, University of Texas MD Anderson Cancer Center, USA

Networking & Refreshment Break @ 15:30 -15:50

15.50-16.50	Workshop Session on: Some ground and excited state interactions among extracellular matrix molecules and type I dermal collagens
	Julian M Menter, Morehouse School of Medicine, USA
16.50-17.15	Title: Engineering patterned human brain cells on silicon chip
	William F Mueller, European Molecular Biology Lab, Germany
17.15-17.40	Title: Inhibition of hyaluronan for the treatment of pulmonary hypertension
	Harry Karmouty-Quintana, University of Texas Health Science Center, USA

Day 2

Conference Hall

September 22, 2017

Keynote Forum

10.00-10.45	Title: Determinant of receptor-preference switch in influenza hemagglutinin
	Qinghua Wang, Baylor College of Medicine, USA

10.45-11.30	Title: Synthetic oligosaccharides can replace animal-sourced low-molecular weight heparins
	Yongmei Xu, The University of North Carolina, USA
Networking & Refreshment Break @ 11:30-11:50	
Session on: Glycans in vaccine development | Mass Spectrometry | Glycobiology and Glycochemistry | Glycosciences and Monosaccharides | Glycobiology and Protein Biochemistry	
Session Introduction 11:50-12:00	
Session Chair: Weijie Qin. Beijing Proteome Research Center, China	
12.00-12.25	Title: New materials and reagents for efficient enrichment and identification of glycosylated proteins and peptides
	Weijie Qin. Beijing Proteome Research Center, China
12.25-12.50	Title: Proteoglycans and human mesenchymal and neural stem cells – can we control lineage fate?
	Larisa M Haupt, Queensland University of Technology, Australia
12.50-13.15	Title: Role of aromatic interaction in adhesion of amyloid beta peptides on glycolipid containing membrane
	Vahed Majid, Chiba University, Japan
Lunch Break @ 13:15-14:15	
14.15-14.40	Title: Screen of RNA aptamers to target CHS5 chitin trafficking signal as anti-fungal
	Vahed Mohammad, Chiba University, Japan
14.40-15.05	Title: Mass spectrometry based Identification of novel allergens from sunflower pollen: A common sensitizer to rhinitis patients
	Nandini Ghosh, Bose Institute, India
15.05-15.30	Title: Detection of cancer associated glycan on different circulatory glycoproteins with lectin coated on europium nanoparticle
	Kamlesh Gidwani, University of Turku, Finland
15.30-15.55	Title: Protective effects of camel milk glycoproteins
	Ahmed M Abdel-Salam, National Research Centre, Egypt
Networking & Refreshment Break @ 15:55-16:15	
16.15-16.40	Title: NEK3-mediated serine 105 phosphorylation of SNAP29 modulates its membrane association and SNARE fusion dependent processes
	Debora Rapaport, Tel Aviv University, Israel
16.40-17.05	Title: Ghrelin release by carbonated beverages: The detrimental effects of soft drinks revisited
	Johnny Stiban, Birzeit University, Palestine
Closing Ceremony	

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