Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

International Conference and Exhibition on
Biochemical & Molecular Engineering

October 07-08, 2013 Hilton San Antonio Airport, TX, USA



"Organize your Events at OMICS Group Conferences"

Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences or OMICS Group will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to *symposia@omicsonline.org*

OMICS Group Conferences
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Email: *biomoleculareng2013@omicsonline.com*

Day 1 October 07, 2013

08:00-09:30 Registrations

Texas C

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09:30-10:00 Opening Ceremony

Keynote Forum

10:00-10:10 Introduction

10:10-10:40 **Ouliana Ziouzenkova**
The Ohio State University, USA

10:40-11:10 **AriehZaritsky**
Ben-Gurion University, Israel

Coffee Break 11:10-11:25 @ Texas Foyer

11:25-11:55 **Ing. U. Reichl**
Max-Planck-Institute, Germany

Track 1: Biochemistry and Analytical Biochemistry
Track 2: Current Applications and Advances in Molecular Biology Studies
Track 3: Bioenergetics: Energy Pathways

Session Chair: James W Lee, Old Dominion University, USA

Session Introduction

11:55-12:20 Title: Vitamin A metabolism a switch between obesity and thermogenesis
Ouliana Ziouzenkova, The Ohio State University, USA

12:20-12:45 Title: Therapeutics from insects
AlaaEddeen Seufi Mohamed, Cairo University, Egypt

12:45-13:10 Title: Tandem DNA repeats: Propagation in the microgene polymerization reaction
Arieh Zaritsky, Ben-Gurion University, Israel

Lunch Break 13:10-13:55 @ Lone Star West

13:55-14:20 Title: Light activated reagents for double Strand DNA cleavage with built-in selectivity for hypoxic cancer tissues
Igor V. Alabugin, Florida State University, USA

14:20-14:45 Title: Electrostatically localized protons bioenergetics over mitchell's classic Chemiosmotic theory
James W Lee, Old Dominion University, USA

Track 4: Current Research on Bioengineering and Biomedical Sciences
Track 5: Glycobiology
Track 6: New Approaches for Molecular Biomarkers & Diagnosis

Session Chair: R. Thomas Boyd, The Ohio State University College of Medicine, USA

Session Introduction

14:45-15:10 Title: Therapeutic targeting of nicotinic acetylcholine receptors: From Alzheimer's to Zebrafish
R. Thomas Boyd, The Ohio State University College of Medicine, USA

Coffee Break 15:10-15:25 @ Texas Foyer

15:25-15:50 Title: High mass accuracy and theoretical peptide distributions
Rovshan G. Sadygov, University of Texas Medical Branch, USA

15:50-16:15 Title: Combination of advanced technique of endoscopic diagnosis, minimally invasive therapy and novel molecular biology for diseases of digestive tract in Digestive Disease Center, Showa University Northern Yokohama hospital
Hiroaki Ito, Showa University Northern Yokohama Hospital, Japan

16:15-16:40 Title: Ganglioside GM3-growth factor receptor interaction and cellular regulation: VEGFR-2 and TGFbR
Cheorl-Ho Kim, SungKyunKwan University, Korea

16:40-17:05 Title: Novel method of searching for glycosylation-regulating compounds
Kenichi Hatanaka, University of Tokyo, Japan

17:05-17:25 Title: Harnessing the potential of L-DOPA from biological sources: Dawn a new era
Jyoti P. Jadhav, Shivaji University, India

18:35-19:20 Cocktails Sponsored by **Journal of Biochemistry & Analytical Biochemistry & Molecular biology @ Rio Grande**

Day 2 October 08, 2013

Texas C

Track 7: Bimolecular Research & Therapeutics
Track 8: Plant Biochemistry and Systems Biochemistry Relation with Molecular Engineering
Track 9: Glycomics & Lipidomics

Session Chair: Dipendra Pokhrel, Tribhuvan University, Nepal
Session Co-Chair: Synan AbuQamar, United Arab Emirates University, UAE

Session Introduction

09:00-09:25 **Title: Association of cell wall structure with plant defense Is dependent on phytoprostane-A1 and ABA mediated by expansin-like Botrytis resistant 1**
Synan AbuQamar, United Arab Emirates University, UAE

09:25-09:50 **Title: Monosialylated ganlioside GM3 regulates tumor phenotype and sensitizes to anti-tumor agent-induced apoptosis**
Cheorl-Ho Kim, SungKyunKwan University, Korea

09:50-10:15 **Title: Efficient extracellular secretion of an endoglucanase and a β-glucosidase in *E. coli***
Shefali Gupta, Institute of Bioinformatics and Applied Biotechnology, India

10:15-10:40 **Title: Prevalence of intestinal parasitic infection among school children in Nepal**
Dipendra Pokhrel, Tribhuvan University, Nepal

Coffee Break 10:40-10:55 @ Texas Foyer

10:55-11:20 **Title: Ganglioside GM3-growth factor receptor interaction and cellular regulation: VEGFR-2 and TGFβR**
Cheorl-Ho Kim, SungKyunKwan University, Korea

11:20-11:45 **Title: Correlation between extracellular polymeric substances, microbial community and membrane fouling in a hybrid membrane bioreactor for wastewater treatment**
Yu Tian, Harbin Institute of Technology of Environmental Science and Engineering, China

Track 10:Advances in studies of Diabetes & Metabolism
Track 11: Novel Therapeutic Strategies on Microbial & Biochemical Technology
Track 12: Role of Vitamins & Trace Elements in Natural Life

Session Chair: Uma Lakshmipathy, Life Technologies, Primary and Stem Cell Systems, Carlsbad, USA

Session Introduction

11:45-12:10 **Title: The functional role of B-type natriuretic peptide in preeclampsia**
Szabo Gabor, Semmelweis University, Hungary

12:10-12:35 **Title: Impact of cold atmospheric pressure plasma on human cells**
Kai Masur, Plasma Research and Technology, Germany

12:35-13:00 **Title: TaqMan® assays for comprehensive characterization of pluripotent stem cells**
Uma Lakshmipathy, Life Technologies, Primary and Stem Cell Systems, Carlsbad, USA

13:00-13:25 **Title: The role of microRNA (miRNA)s in cancer diagnosis and therapy**
Mustafa Ozen, Istanbul University Cerrahpasa Medical School, Turkey

Lunch Break 13:25-14:10 @ Lone Star West

18:35-19:20 Cocktails Sponsored by **Journal of Biochemistry & Analytical Biochemistry & Molecular biology @ Rio Grande**



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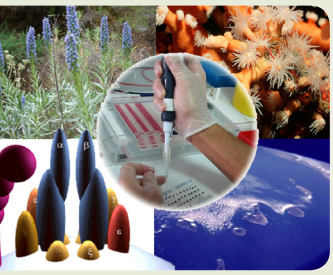
Upcoming Conferences



2nd International Conference on
Medicinal Chemistry & Computer Aided Drug Designing
October 15-17, 2013 Hampton Inn Tropicana, Las Vegas, USA



International Conference on
Functional and Comparative Genomics & Pharmacogenomics
November 12-14, 2013 DoubleTree by Hilton Hotel Chicago-North Shore, USA



5th World Congress on
Biotechnology
June 16-18, 2014 Valencia, Spain

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e-Book

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