

194th OMICS Group Conference

Scientific Program



2nd International Summit on

Integrative Biology

August 04-05, 2014 Hilton-Chicago/Northbrook, Chicago, USA



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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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Birch



Opening Ceremony

Keynote Forum

- 09:30-09:40 **Introduction**
- 09:40-10:05 **Stevo Bozinovski**
South Carolina State University, USA
- 10:05-10:30 **Memory Elvin-Lewis**
Washington State University, USA
- 10:30-10:55 **Bernard Friedenson**
University of Illinois at Chicago, USA

Coffee Break 10:55-11:15 @ Foyer

11:15-11:25 Group Photo Session

Track 1: Genomics and Bioinformatics

Track 7: Drug Discovery and Integrative Biology

Session Introduction

Session Chair: Fatimah Jackson, Howard University, USA

Session Co-Chair: Tao Lu, Indiana University, USA

- 11:25-11:45 **Title: Decoding next-generation sequencing data using custom-built computational and quantitative methods**
Yongsheng Bai, Indiana State University, USA
- 11:45-12:05 **Title: Genomic analysis of blood-mediated disorders in African Americans**
Fatimah Jackson, Howard University, USA
- 12:05-12:25 **Title: Closely related sets of genes are mutated in both breast and viral cancers**
Bernard Friedenson, University of Illinois at Chicago, USA
- 12:25-12:45 **Title: The importance of making a genetic diagnosis in monogenic forms of Diabetes**
Daniela Del Gaudio, University of Chicago, USA,

Lunch Break 12:45-13:50 @ Oaks

- 13:50-14:10 **Title: Pseudo DNA sequence generation of noncoding distributions using stream cipher mechanism**
Jeffrey Zheng, Yunnan University, China
- 14:10-14:30 **Title: A P-type ATPase of *Metarhizium acridum*, MaENA1, modulates the thermo- and UV- tolerances of conidia involved in multiple mechanisms of stress tolerance revealed by Digital Gene Expression profiling**
Yuxian Xia, Chongqing University, China
- 14:30-14:50 **Title: The role of disorder in plasmonic devices for biological applications**
J.S. Toter Gongora, King Abdullah University of Science and Technology, Saudi Arabia
- 15:50-15:10 **Title: A proteomic-bioinformatic integrated approach for studying the effect of a peptide drug candidate on ovarian cancer cells**
Maria Paola COSTI, University of Modena and Reggio Emilia, Italy
- 15:10-15:30 **Title: The value of dereplications in understanding the worth of traditional Pharmacopeias**
Memory Elvin-Lewis, Washington University in St. Louis, USA

Coffee Break 15:30-15:50 @ Foyer

- 15:50-16:10 **Title: Protective effect of diltiazem and fenofibrate against ischemia-reperfusion induced cardiac arrhythmias in isolated rat hearts**
Ishfaq A Bukhari, King Saud University, Riyadh, Saudi Arabia
- 16:10-16:30 **Title: Using VBIM technique to identify carboplatin resistance genes in ovarian cancer cells**
Tao Lu, Indiana University, USA

16:30-16:50 **Title: Design, Synthesis and Biological Studies of Lymph Targeted Agents**

Tao Jiang, Ocean University of China, China

16:50-17:10 **Title: Translating multidimensional cancer omics data into biological insights**

Bing Zhang, Vanderbilt University School of Medicine, USA

Panel Discussions

18:00-19:00 Cocktails sponsored by **Journal of Computer Science & Systems Biology @ Oaks**

Day 2 August 05, 2014

Birch

Track 6: Cell Biology

Track 8: Molecular Biology

Track 10: Bio-Engineering

Track 11: Systems Toxicology

Session Introduction

Session Chair: Marcelo C Sousa, University of Colorado Boulder, USA

09:00-09:20 **Title: Structure and function of the BAM complex in outer membrane protein insertion**

Marcelo C Sousa, University of Colorado Boulder, USA

09:20-09:40 **Title: A natural biodrug targeting melanoma cells with varying p53 status**

Neha Singh, Deakin University, Australia

09:40-10:00 **Title: Impact of metal-loaded industrial dust on the physiology of a model experimental animal**

Khadiga G Adham, King Saud University, Saudi Arabia

10:00-10:20 **Title: Novel approach to integrate biocompatible MEMS by electrode position using supercritical carbon dioxide**

Masato Sone, Tokyo Institute of Technology, Japan

10:20-10:40 **Title: Multi-muscle control of postural muscles-manifolds and frequencies**

Alessander Danna-dos-Santos, The University of Montana, USA

10:40-11:00 **Title: Verification of systems biology research in the age of collaborative-competition**

Iskandar Anita, Philip Morris International, Switzerland

Coffee Break 11:00-11:15 @ Foyer

Workshop

11:15-12:00 **Title: Glyco-Proteomics as compiled post-genomics insight for development of novel biomarkers: Challenges and tidings in debate**

Mohamed Warda, Cairo University, Egypt

12:00-13:00 **Poster Presentation @ Oaks**

Lunch Break 13:00-14:00 @ Oaks

Track 2: Systems Biology

Track 12: Developmental Biology

Session Introduction

Session Chair: Nirmal K Shetty, Shri Krishna Research Centre, India

14:00-14:20 **Title: *In silico* minimal cell model systems**

Fabio Mavelli, University of Bari, Italy

14:20-14:40 **Title: Cortex-hypothalamus-controlled system: A closed loop control view**

Liljana Bozinovska, South Carolina State University, USA

14:40-15:00 **Title: A new perspective to inheritance of chromosomes and heredity- integrating molecular biology and Yin-Yang**

Nirmal K Shetty, Shri Krishna Research Centre, India

15:00-15:20 **Title: A bispecific antibody against IL-1 β and IL-17A is beneficial for rheumatoid arthritis**

Gui-ping Ren, Northeast Agricultural University, China

15:20-15:40 **Title: Genetic diversity and molecular delineation of the declining population of four channid species from North India and possible conservation strategies**

Iqbal Parwez, Aligarh Muslim University, India

15:40-16:00 **Title: Tomato bushy stunt virus-based vector for transient expression of human G-CSF in *Nicotiana benthamiana* plants**

Manabayeva S A, National Center for Biotechnology of Republic of Kazakhstan, Kazakhstan

Coffee Break 16:00-16:15 @ Foyer

Panel Discussions

18:00-19:00 Cocktails sponsored by **Journal of Applied Bioinformatics & Computational Biology @ Oaks**



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3rd International Summit on

Integrative Biology

August 04-05, 2015 Valencia, Spain



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