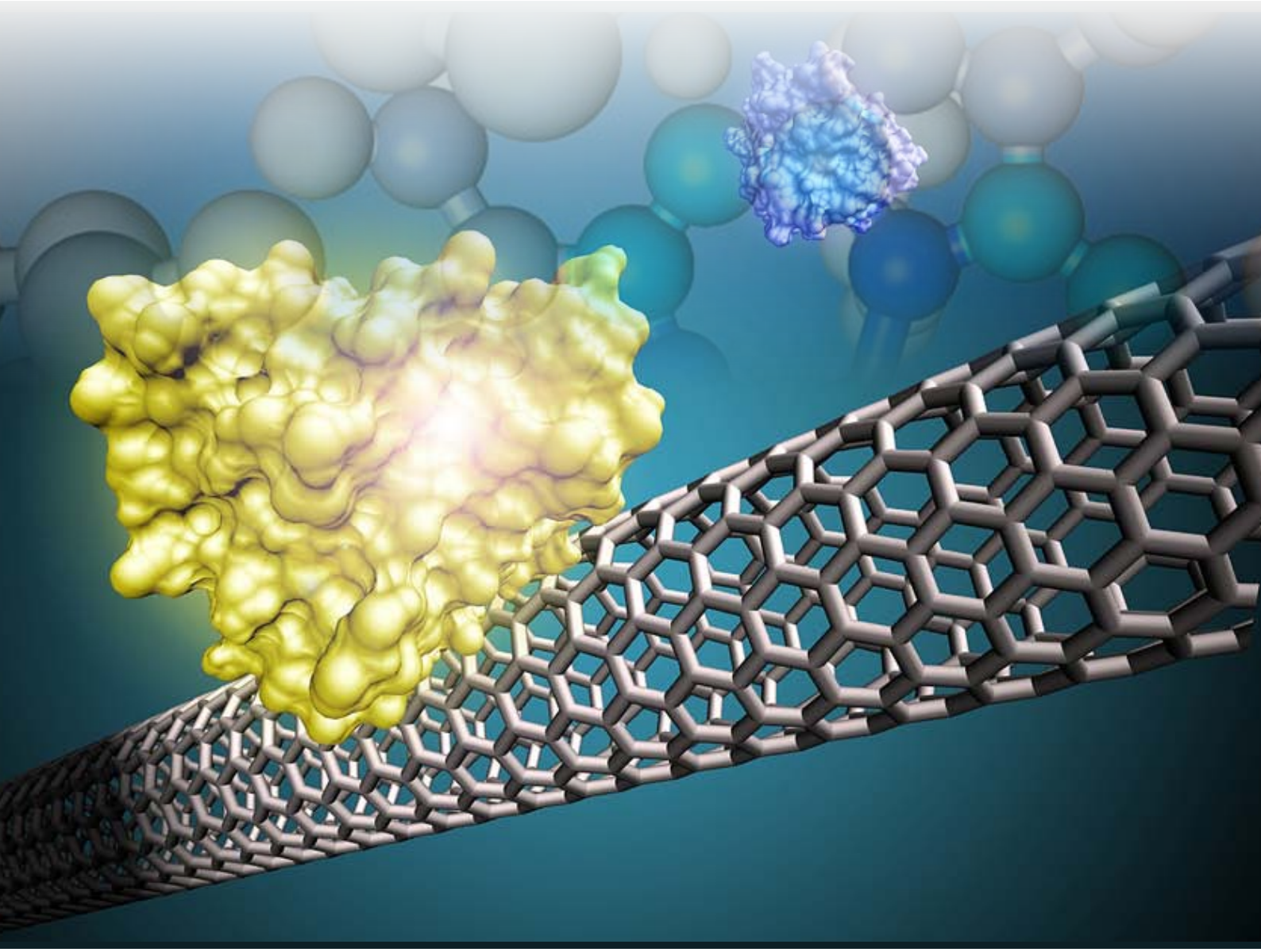
Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

3rd International Conference on

Biomarkers & Clinical Research

July 2-4, 2012 Embassy Suites Las Vegas, USA



"Organize your Events at OMICS Group Conferences"

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

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18:00-19:00 Registrations July 01, 2012

Day 1 July 02, 2012 Tropicana Ballroom

08:00-09:00 Registrations
08:00-08:30 Breakfast
09:00-09:30 Opening Ceremony

OMICS Group Conferences
Accelerating Scientific Discovery

Keynote Forum

09:30-09:35 Introduction

09:35-10:00 **Sudhir Srivastava**
National Cancer Institute, NIH, USA

10:00-10:25 **Michael Sullivan**
Worldwide Clinical Trials-Drug Development Solutions, USA

Coffee Break 10:25-10:40

10:40-11:05 **Hitoshi Sohma**
Sapporo Medical University Center for Medical Education, Japan

11:05-11:30 **Da Zhi Liu**
University of California at Davis, USA

Track 1-1: Protein biomarkers: Prognostic and C9 protein biomarkers
Track 1-2: Emerging biomarkers in breast cancer
Track 1-3: Biomarkers for human diseases
Track 1-4: Blood biomarkers: Serum biomarkers and blood cells RNA biomarkers

Session Introduction

11:30-11:50 **Title: Monitoring soluble HER2 extracellular domain in the serum of breast cancer patients using a refined ELISA assay**
Hongtao Zhang, University of Pennsylvania, USA

11:50-12:10 **Title: Novel cell lines enriched in cancer stem cells as tools for biomarker identification and drug development in breast cancer**
Geetika Chakravarty, Tulane University, USA

12:10-12:30 **Title: From immunochemistry to multispectral imaging of tissue biomarkers**
Marina Guvakova, University of Pennsylvania Perelman School of Medicine, USA

Lunch Break 12:30-13:00

13:00-13:20 **Title: Antibody based detection of biomarkers predicting response to taxanes in breast cancer patients**
Gargi Basu, Caris Life Sciences, USA

13:20-13:40 **Title: Identification and characterization of a novel role for RNA helicase DP103: The key "missing player" and therapeutic target for NFkB-induced metastasis in human breast cancer**
Alan Prem Kumar, National University of Singapore, Singapore

13:40-14:00 **Title: CDKL1, a novel diagnostic biomarker and gene therapy target for breast cancer**
Feng Yan, Jiangsu Cancer Hospital, China

14:00-14:20 **Title: The balance of serum matrix metalloproteinase-8 and its tissue inhibitor in acute coronary syndrome and its recurrence**
Erkki Pesonen, Skane University, Sweden

14:20-14:40 **Title: Characterization of a novel antagonist for the human platelet thromboxane A2 receptor**
Fadi T. Khasawneh, Western University of Health Sciences, USA

14:40-15:00 **Title: Hepatic diseases related peripheral blood RNAs variation and their clinical significance**
Yaping Tian, Chinese PLA General Hospital, China

15:00-15:20 **Title: Predicting value of cytogenetic monitoring system in late onset of chronic non infectious diseases**
Anna Tompa, Semmelweis University, Hungary

Coffee Break 15:20-15:30

15:30-15:50 **Title: Diagnostic and prognosic assessment of ProGRP for small cell lung cancer**
Jiexian Jing, ShanXi Cancer Hospital, China

Track 1-5: Cancer biomarkers
Track 1-6: DNA methylation based biomarkers and bone biomarkers

Session Introduction

15:50-16:10 **Title: Oxygenase Regulation of Platelet-Mediated Hemostasis and Thrombosis**
Michael Holinstat, Thomas Jefferson University, USA

16:10-16:30 **Title: αVβ3-targeted radiotracers: From discovery chemistry to clinical practice**
Shuang Liu, Purdue University, USA

16:30-16:50 **Title: Evaluating sequential processing of Aβ by γ-secretase in cell culture models**
Yong Ran, University of Florida, USA

16:50-17:10 **Title: Novel roles for sirtuin deacetylases as regulators of cancer cell motility, aromatase expression and cancer epigenetics**
Kevin Pruitt, LSU Health Sciences Center, USA

17:10-17:30 **Title: Cancer biomarkers and their relation to dysfunctional hierarchy of cellular proteins**
Özge Alper, Alper Biotech Inc., USA

17:30-17:50 **Title: Coexposure of polycyclic aromatic hydrocarbons and heavy metals: Identification of biomarkers from the metabolome of HaCaT cells treated with benzo[a]pyrene and nickel**
Harald Jungnickel, German Federal Institute of Risk Assessment, Germany

17:50-18:10 **Title: Insights into the role of PIK3CA alterations in bladder cancer**
Mónica Martínez-Fernández, CIEMAT, Spain

Editorial Board Meetings

18:30-19:30 **Cocktails** **Sponsored by: Journal of Molecular Biomarkers & Diagnosis**

Day 2 July 03, 2012 Tropicana 1

Breakfast 08:00-08:30

08:00-09:00 **Registrations**

Track 2: Personalized Medicine & Data Analysis
Track 3: Biomarkers in Clinical Research and Development
Track 4: Gene Expression Profiling and DNA Diagnostics
Track 5: OMICS Technologies in Biomarkers Discovery and Validation

Session Introduction

09:30-09:50 **Title: Modeling of the brain's dark energy and its potential clinical applications**
Dawei Hong, Rutgers University, USA

09:50-10:10 **Title: Plasma IGF-1-molecular stratification of hepatocellular carcinoma patients**
Ahmed O. Kaseb, The University of Texas MD Anderson Cancer Center, USA

10:10-10:30 **Title: The role of microparticles and disease manifestations in systemic sclerosis**
Julius Bankole, University of Northern British Columbia, Canada

10:30-10:50 **Title: Regulation of angiogenesis by endogenous metabolite**
Smita C. Pawar, Boys Town National Research Hospital, USA

10:50-11:10 **Title: The search for biomarkers of liver cancer: What our failures have taught us**
Anand Mehta, Drexel University College of Medicine, USA

Coffee Break 11:10-11:25

11:25-11:45 **Title: Novel biomarkers in brain tumor**
Da Zhi Liu, University of California, USA

11:45-12:05 **Title: A novel approach to prevent the deregulation of a neuronal kinase involved in neurodegenerative diseases**
Harish C. Pant, NINDS, NIH, USA

12:05-12:25 **Title: Direct quantification of myelination in multiple sclerosis - from benchtop to bedside**
Yanming Wang, Case Western Reserve University, USA

Lunch: 12:25-13:30

13:30-13:50 **Title: Neurotransmitter Biomarker Analysis by LC-MS-MS**
Michael P Sullivan, Worldwide Clinical Trials-Drug Development Solutions, USA

13:50-14:10 **Title: Predictive biomarkers for development of antibody-drug conjugates**
Omar Kabbarah, Genentech Inc., USA

14:10-14:30 **Title: Treatment with AS101 sensitizes acute myeloid leukemia cells (AML) to chemotherapy by disrupting the interaction between the integrin VLA-4 and Fibronectin: Mechanisms of action and clinical applications**
Sredni Benjamin, Bar-Ilan University, Israel

14:30-14:50 **Title: Towards cancer biomarker discovery via proteomic and metabolomic profiling of clinical specimens**
Josip Blonder, Frederick National Laboratory for Cancer Research(NIH), USA

Coffee Break 14:50-15:05

15:05-15:25 **Title: Personalized diagnostics for systemic cancers powered by next-generation-sequencing technology**
Lei Zhang, University of California, USA

15:25-15:45	**Title: Personal health monitoring and preventative medicine with integrative personal omics profiling** **Rui Chen,** Stanford University School of Medicine, USA
15:45-16:05	**Title: Lectin magnetic bead array-coupled mass spectrometry for the discovery of glycoform-specific serum biomarkers** **Michelle M Hill,** University of Queensland Diamantina Institute, Australia
16:05-16:25	**Title: Ewing sarcoma family of tumors: translating biomarker research into patient treatment** **Atif A Ahmed,** Children's Mercy Hospitals and Clinics, USA
16:25-16:45	**Title: The critical role of lipids in the Ca2+-triggered fusion pathway** **Tatiana Rogasevskaia,** Mount Royal University, Canada
16:45-17:05	**Title: Evaluation of plasma M2 pyruvate kinase in breast cancer** **Eman El-Abd,** Alexandria University, Egypt
17:05-17:25	**Title: Novel Markers for Colorectal Cancer** **Anuraag Shrivastav,** University of Winnipeg, Canada
17:00-18:00	**Poster Presentations** — **Tropicana 2**
	Editorial Board Meetings
18:00-19:30	**Cocktails** — **Sponsored by: Journal of Molecular Imaging & Dynamics**

Day 3 July 04, 2012 Tropicana 1

Breakfast: 08:00-08:30

08:00-09:00	**Registrations**
	Track 6: Biomarkers in Drug Discovery
	Session Introduction
09:30-09:50	**Title: Dynamic bioinformatics indices as the quantitative functional biomarkers for drug discovery and development** **Ting-Chao Chou,** Memorial Sloan-Kettering Cancer Center, USA
09:50-10:10	**Title: A case study of biomarker-guided drug discovery of kinase inhibitors for cancer targeted therapy** **Hong-yu Li,** University of Arizona, USA
10:10-10:30	**Title: Non-invasive microrna biomarkers for therapy monitoring and drug development** **Matthias Scheffler,** Comprehensive Biomarker Center GmbH-Heidelberg, Germany
	Cofeebreak: 10:30-10:45
	Track 7: Enabling Technologies to Maximize Biomarker Identification **Track 8: Post Genomics: Drug and Biomarker Development**
	Session Introduction
10:45-11:05	**Title: Molecular imaging and nanotechnology in cancer biology and therapeutics: Towards in vivo cancer biomarker imaging** **Jamal Zweit,** Virginia Common Wealth University, USA
11:05-11:25	**Title: Imaging neural stem cell graft-induced structural repair in stroke** **Marcel M. Daadi,** Stanford University, USA
11:25-11:45	**Title: Biomarkers of human organophosphorus exposure: a mass spectrometric analysis** **Judit Marsillach,** University of Washington, USA
11:45-12:05	**Title: Circulating cellular and extracellular microRNAs as biomarkers of lentiviral infection and disease progression** **Kenneth W. Witwer,** The Johns Hopkins University School of Medicine, USA
12:05-12:25	**Title: Search for biomarkers in blood serum: a proteomic investigation in different infectious diseases and gliomas** **Sanjeeva Srivastava,** Indian Institute of Technology Bombay, India
	Lunch: 12:30-13:30

Bookmark your dates

4th International Conference on

Biomarkers & Clinical Research

July 16-17, 2013 Philadelphia, USA

OMICS Group Conferences

Accelerating Scientific Discovery

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