

PROGRAM

Biomarkers-2011

2nd World Congress on **Biomarkers & Clinical Research**

12-14 September 2011 Baltimore, USA



Conference Venue

BWI Airport Marriott,
1743 West Nursery Road,
Linthicum Heights, Baltimore
Maryland 21090-2906 USA
Phone No: (410)859-8300

Conference Secretariat

5716 Corsa Ave., Suite 110, Westlake
Los Angeles, CA 91362-7354, USA
Tel: +1-650-268-9744, Fax: +1-650-618-1414
Toll free: 1-800-216-6499(USA & Canada)
E-mail: biomarkers2011@omicsonline.org

<http://www.omicsonline.org/biomarkers2011>

OMICS Group Journals



A-Z Index

A

- Accounting & Marketing
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B

- Bacteriology & Parasitology
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C

- Cancer Science & Therapy
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D

- Data Mining in Genomics & Proteomics
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E

- Earth Science & Climatic Change
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F

- Fermentation Technology
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- Forensic Research
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G

- Gastrointestinal & Digestive System
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- Gynecology & Obstetrics
- Geography & Natural Disasters
- Geology & Geosciences
- Geophysics & Remote Sensing
- Gerontology & Geriatric Research

Email Alerts:

OMICS Group Journals would include full text alerts, editorial release, special issue publication, most cited articles etc. that are sent to renowned scientists, academicians, industrialists and research scholars around the globe.

OMICS Group Conferences aims on sending email alerts to Scientific Researchers, Business Entrepreneurs and Pharma, Biotech & Healthcare Industry Developers.

H

- Hair : Therapy & Transplantation
- Health & Medical Informatics
- Hereditary Genetics
- Homeopathy & Ayurvedic Medicine
- Hotel & Business Management
- Human Genetics & Embryology: Current Research
- Hydrology: Current Research
- Hypertension- Open Access

I

- Industrial Engineering & Management
- Irrigation and Drainage Systems Engineering
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- Internal Medicine

L

- Liver

M

- Marine Science: Research & Development
- Mass Communication & Journalism
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N

- Nanomedicine & Biotherapeutic Discovery
- Nanomedicine & Nanotechnology

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- Neurology & Neurophysiology
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O

- Obesity & Weight loss Therapy
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P

- Pain & Relief
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- Pharmaceutical Biotechnology
- Pharmaceutics & Drug Delivery Research
- Pharmacoeconomics & Drug Safety
- Pharmacogenomics & Pharmacoproteomics
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- Postgenomics: Drug & Biomarker Development
- Powder Metallurgy & Mining
- Primary Health Care
- Proteomics & Bioinformatics
- Psychology & Psychotherapy
- Pulmonary & Respiratory Medicine

R

- Radiology: Open Access
- rDNA Technology
- Reproductive System & Sexual Disorders
- Rheumatology

S

- Sleep Disorders & Therapy
- Social & Economical Issues of Biotechnology
- Socialomics
- Sports Medicine & Doping Studies
- Spine
- Stem Cell Research & Therapy
- Steroids & Hormonal Science
- Stock & Forex Trading
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- Single Cell Proteins: Micro organisms

T

- Telecommunications System & Management
- Textile Science & Engineering
- Thermodynamics & Catalysis
- Thyroid Disorders & Therapy
- Tissue Science & Engineering
- Translational Medicine
- Transplantation Technologies & Research
- Trauma
- Tourism & Hospitality

U

- Urology

V

- Vaccines & Vaccination
- Veterinary Science & Technology
- Virology & Mycology
- Vitamins & Trace Elements

W

- Women's health

Y

- Yoga & Physical Therapy

Scientific Program

Day 1- 12 September 2011

08:00-09:00 Registrations

08:00-08:30 Breakfast

Breakout Room 1

Opening Ceremony

09:00-09:30

Keynote Forum

09:30-09:35 Introduction

09:35-10:00 **Dr. Abdel Halim**
Daiichi-Sankyo Pharma Development, USA

10:00-10:25 **Mr. Jeremy Warren**
NanoSight Ltd, UK

Cofeebreak: 10:25-10:40

10:40-11:05 **Dr. Jean Gabert**
Université de la Méditerranée, France

11:05-11:30 **Dr. Crispin R. Dass**
Victoria University, Australia

Track 1.1: Patient Segmentation and Stratification: Successful Integration of Diagnostic Tools

Track 1.2: Clinical Data Annotation: Classification Distribution Metrics, Pattern Recognition

Session Introduction

11:35-11:55 **Title: Color-coded Z scores for the display and analysis of biomedical data**

Dr. Robert A. Warner, Tigard Research Associates, USA

11:55-12:15 **Title: Heat acclimation associated with decreased of urinary 8-hydroxydeoxyguanosine in navy boiler tender**

Dr. Yung-Kai Huang, Taipei Medical University, Taiwan

12:15-12:35 **Title: Dose time of presentation of patients of severe sepsis determines the clinical outcome?**

Dr. Fahad Aziz, MSSM-Jersey City Campus, USA

12:35-12:55 **Title: Biomarkers for novel diabetes therapies in early clinical development. Examples on markers of target activity, gene expression, efficacy and safety from an 11-beta HSD1 inhibitor program**

Dr. Jan W Eriksson, University of Gothenburg, Sweden

Lunch: 12:55-13:40

Track 2.1: Protein Biomarkers: Prognostic and C9 Protein Biomarkers

Track 2.2: Emerging Biomarkers in Breast Cancer

Session Introduction

13:40-14:00 **Title: A novel marker for breast cancer progression**

Dr. Georg F. Weber, University of Cincinnati, USA

14:00-14:20 **Title: Developing tissue biomarkers in early breast cancer**

Dr. Marina A. Guvakova, University of Pennsylvania, USA

14:20-14:40 **Title: Polycomb group genes as novel cancer biomarkers**

Dr. Francesco Crea, University of Pisa, Italy

14:40-15:00 **Title: SOX9: From biomarker to a therapeutic target in breast cancer**

Dr. Geetika Chakravarty, Tulane University Health Science Center, USA

15:00-15:20 **Title: Determinants and prognostic role of BNP in central Africans with congestive heart failure**

Dr. Longo-Mbenza Benjamin, Walter Sisulu University, South Africa

15:20-15:40 **Title: RNA helicase DDX20, a novel prognostic marker defines metastatic potential of breast cancer**

Dr. Alan Prem Kumar, National University of Singapore, Singapore

Cofeebreak: 15:40-15:55

15:55-16:15 **Title: Septic encephalopathy: Relationship to serum and cerebrospinal fluid levels of adhesion molecules, lipid peroxides and S-100B protein**

Dr. Sherifa Ahmed Hamed, Assiut University Hospital, Egypt

16:15-16:35 **Title: Development of novel diagnostic and prognostic biomarker in breast cancer**

Dr. Gopal Kundu, National Center for Cell Science, India

Track 2.3: Biomarkers for Human Diseases

Track 2.4: Blood Biomarkers: Serum Biomarkers & Blood Cells RNA Biomarkers

Session Introduction

16:40-17:00 **Title: Volatile signature of melanoma - A novel approach for early detection**

Dr. Tatjana Abaffy, University of Miami, USA

17:00-17:20 **Title: A non-invasive system for monitoring resistance to EGFR tyrosine kinase inhibitors with plasma DNA**

Dr. Naoko Sueoka-Aragane, Saga University, Japan

17:20-17:40 **Title: Centrosomal Nlp is an oncogenic protein that has a close relationship with tumorigenesis**

Dr. Shao Shujuan, Dalian Medical University, People's Republic of China

17:40-18:00 **Title: Next generation of biomarkers: Serum antibody repertoire profiling using next generation sequencing**

Dr. Yuriy Ionov, Roswell Park Cancer Institute, USA

18:00-18:20 **Title: Noninvasive molecular diagnosis of human visceral Leishmaniasis**

Dr. Manisha Vaish, Banaras Hindu University, India

18:20-18:40 **Title: Brain-derived neurotrophic factor as a biomarker of acute episodes in bipolar disorder: Meta-regression analysis**

Dr. Brisa S. Fernandes, Federal University of Rio Grande do Sul – UFRGS, Brazil

Dinner Sponsored by: *Journal of Molecular Biomarkers & Diagnosis*

18:45-20:00

Breakout Room 2

Posters 11:35-13:00

Lunch: 13:00-13:40

Track 2.5: Cancer Biomarkers

Session Introduction

13:40-14:00 **Title: Angiogenic activities of YKL-40 in cancer development: A potential biomarker and target for cancer diagnosis and therapy**

Dr. Rong Shao, University of Massachusetts, USA

14:00-14:20 **Title: "Genetic biomarkers for metastatic Melanoma"**

Dr. Stanley P. L. Leong, University of California, USA

14:20-14:40 **Title: Proteomic approaches for profiling cancer signaling pathways**

Dr. Fei ye, Mount Sinai School of Medicine, USA

14:40-15:00 **Title: Ultra-sensitive detection of BRAF V600E and G469A mutations by Ice COLD-PCR and BLOCKer-Sequencing**

Dr. Yanggu Shi, Transgenomic Inc., USA

15:00-15:20 **Title: From bench to bedside**

Dr. Gargi Basu, Caris Life Sciences, USA

15:20-15:40 **Cancer biomarkers: From discovery to clinical implementation**

Dr. Renaud Seigneuric, University of Burgundy, France

Coffeebreak: 15:40-15:55

15:55-16:15 **Title: Label-free optical bio-sensors for proteomic analysis: current applications and future development in cancer research**

Dr. Valentina Donzella, Piazza Martiri della Libertà, Italy

16:15-16:35 **Title: Secretome analysis of large cell lung cancer cell lines using two-dimensional electrophoresis coupled to mass spectrometry**

Dr. Zahra Mojtahedi, Shiraz University of Medical Sciences, Iran

16:35-16:55 **Title: Copro-antiapoptotic survivin and lactoferrin biomarkers for improved detection and nanodelivery to colon cancer**

Dr. Jagat R. Kanwar, Deakin University, Australia

16:55-17:15 **Title: Cancer bioinformatics, A potential way for prediction of chemotherapeutic responses in clinics**

Dr. Da Yong Lu, Shanghai University, PR China

Dinner Sponsored by: *Journal of Molecular Biomarkers & Diagnosis*

18:45-20:00

Day 2- 13 September 2011

Breakout Room 1

08:00-08:30 **Breakfast**

Track 3.1: Cancer Science & Therapy

Track 3.2: Cardiovascular Diseases: Research & Therapy

Track 3.5: Central Nervous System

Track 3.6: Biomarkers for Multiple Sclerosis

Session Introduction

09:00-09:20 **Title: Development and prospective evaluation of a 20-gene model for molecular nodal staging of bladder cancer**

Dr. Alexander S. Baras, Johns Hopkins University, USA

09:20-09:40 **Title: Utility of β -2 microglobulin as a housekeeping gene in human cancerous colorectal tissue**

Dr. Yasuhiro Nihon-Yanagi, Hachinohe City Hospital, Japan

09:40-10:00 **Title: Myocardial CXCR4 interaction with β 2-adrenergic receptor: a potential therapeutic approach for congestive heart failure**

Dr. Sima T. Tarzami, Mount Sinai School of Medicine, USA

10:00-10:20 **Title: Influence of total PSA, BNP, GAMMA-GT, haemoglobin, blood urea nitrogen, glucose, triglycerides and renal failure on D-DIMER levels among central Africans with congestive heart failure**

Dr. Longo-Mbenza Benjamin, Walter Sisulu University, South Africa

10:20-10:40 **Title: Biomarkers of brain function in children with uncomplicated epilepsy**

Dr. Sherifa Ahmed Hamed, Assiut University Hospital, Egypt

10:40-11:00 **Title: Therapeutic hypothermia for postresuscitation syndrome and lactate levels**

Sule AKIN, Baskent University School Of Medicine, Turkey

Cofeebreak: 11:00-11:15

11:15-11:35 **Title: The roles of human apurinic/apyrimidinic endonuclease/redox effector factor (APE1/Ref-1) in tumor diagnosis and related mechanism study**

Dr. Nan Dai, Third Military Medical University, China

11:35-11:55 **Title: "Molecular characterization and current treatment strategy of glioblastoma multiforme"**

Dr. Xiang Zhang, Fourth Military Medical University, PR China

11:55-12:15 **Title: Prognostic value of troponin i & pro-brain natriuretic peptide in patients with sever sepsis: A closed unit experience**

Dr. Fahad Aziz, MSSM-Jersey City Campus, USA

12:15-12:35 **Title: Sulphonylureas: Do we need to introspect safety again?**

Dr. Devindra Sehra, Sehra Medical Centre, India

12:35-12:55 **Title: Blood-based test for multiple sclerosis – Biomarkers for disease detection and monitoring of treatment**

Dr. Victor Levenson, Rush University Medical Center, USA

Lunch: 12:55-13:40

Track 4.1: Transcription Profiling and Transcriptomic Analysis

Track 4.2: DNA Diagnosis

Track 4.4: Clinical Array-based Karyotyping

Session Introduction

13:40-14:00 **Title: From research to the clinic: lessons from BCR ABL dosage in the tyrosine kinase inhibitors era**

Dr. Jean Gabert, Université de la Méditerranée, France

14:00-14:20 **Title: PNA technology for diagnosis of infectious and genetic diseases**

Dr. Irina Smolina, Boston University, USA

14:20-14:40 **Title: Molecular diagnostic system for gliomas based on gene expression profiling**

Dr. Mitsuaki Shirahata, The TazukeKofukai Medical Research Institute Kitano Hospital, Japan

14:40-15:00 **Title: Direct detection of circulating tumor cells (CTCs) in blood using digital cast PCR for early detection of lung cancer**

Dr. Caifu Chen, Life Technologies, USA

Cofeebreak: 15:00-15:20

Track 5.1: Proteomics & Genomics
Track 5.2: Molecular Informatics and Inflammation
Track 5.3: Biomarkers: Toxicology

Session Introduction

- 15:20-15:40 **Title: Investigation of novel biomarkers for Alzheimer's disease using lipid-coated nanoparticles**
Dr. Hitoshi Sohma, Sapporo Medical University Center for Medical Education, Japan
- 15:40-16:00 **Title: Development of a microRNA assay for evaluating genotoxicity of agents**
Dr. Tao Chen, US Food and Drug Administration, USA
- 16:00-16:20 **Title: Biomarkers in the age of integromics**
Dr. Hakima Amri, Georgetown University Medical Center, USA
- 16:20-16:40 **Title: Quantitative imaging of inflammation toward diagnosis of systemic inflammation and tumor growth**
Dr. Moonsoo M. Jin, Cornell University, USA
- 16:40-17:00 **Title: Genome annotation, with implications for biomarkers**
Dr. Mark Gerstein, Yale University, USA

Track 6.1: Biomarkers in Drug Discovery
Track 6.2: Applications in New Drug Development
Track 6.3: Translational Medicine

Session Introduction

- 17:00-17:20 **Title: Biomarkers in drug discovery: Potential use versus challenges**
Dr. Abdel Halim, Daiichi-Sankyo Pharma Development, USA
- 17:20-17:40 **Title: 12-Lipoxygenase regulation of platelet-mediated hemostasis and thrombosis**
Dr. Michael Holinstat, Thomas Jefferson University, USA
- 17:40-18:00 **Title: The search for safe compounds, robust assays and better drug delivery systems for improved anticancer activity**
Dr. Crispin R. Dass, Victoria University, Australia
- 18:00-18:20 **Title: Potential application of Nitrate reductase as biomarker in identifying novel inhibitors against M.tuberculosis**
Dr. Dhiman Sarkar, National Chemical Laboratory, India
- 18:20-18:40 **Title: Bromotyrosine derivatives isolated from marine sponges as antiparasitary**
Mr. Elkin Galeano, Universidad de Antioquia, Colombia

Cocktail Sponsored by: *Journal of Postgenomics: Drug & Biomarker Development*

18:45-19:45

Day 3- 14 September 2011

Breakout Room 1

08:00-08:30 Breakfast

Track 7.3: Molecular Imaging and Dynamics
Track 7.4: Statistics in Biomarker Research

Session Introduction

- 09:00-09:20 **Title: Protease finger printing for biomarker discovery**
Dr. Kalyani Jambunathan, Center for Drug Discovery (CADRE) SRI International- Shenandoah Valley, USA
- 09:20-09:40 **Title: Novel peptides targeting circulating cellular biomarkers for molecular imaging of tumor Angiogenesis**
Dr. Anka N. Veleva, North Carolina State University, USA
- 09:40-10:00 **Title: Seeing, counting and phenotyping exosomes as biomarkers using nanoparticle tracking analysis**
Dr. Jeremy Warren, NanoSight Ltd., UK
- 10:00-10:20 **Title: Compare bayesian evaluation of biomarkers as surrogate endpoints with the frequency form**
Dr. Shohreh Jalaie, Tehran University of Medical Sciences, Iran
- 10:20-10:40 **Title: Effect of carvacrol on D-galactosamine-induced mitochondrial enzymes and DNA damage by single-cell gel Electrophoresis**
Dr. Balakrishnan Aristatile, King Saud University, Saudi Arabia

Cofeebreak: 10:40-11:00

- 11:00-11:20 **Title: Biopolymer nanotherapeutics: Enabling oncology drug development by nanoconjugates & nanoparticles**
Dr. Anita Kamra Verma, University of Delhi, India
- 11:20-11:40 **Title: Urinary microRNAs as noninvasive biomarkers for drug-induced liver injury**
Dr. Xi Yang, National Center for Toxicological Research, USA
- 11:40-12:00 **Title: Biomarkers: Evolving regulatory landscape for drug development and diagnostics**
Dr. Orest Hurko, Biologics Consulting Group, Inc., USA
- 12:00-12:20 **Title: Utilization and cost of prostate-specific antigen (PSA) as a biomarker among prostate cancer patients: Results from Taiwan national health insurance research database**
Dr. Yi-Hsien Lin, Cheng Hsin General Hospital, Taiwan

Lunch: 12:20-13:00



Bookmark your dates

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3rd World Congress on **Biomarkers & Clinical Research** 2-4 July 2012 Las Vegas, USA



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5716 Corsa Ave, Suite 110
Westlake, Los Angeles
CA 91362-7354, USA
Ph: +1-650-268-9744
Fax: +1-650-618-1414

OMICS Group Conferences

2360 Corporate Circle · Suite 400
Henderson, NV 89074-7722, USA
Ph: +1-650-353-4497
Fax: +1-650-618-1417

OMICS Publishing Group

26 Joseph Drive, Hillside
Victoria 3037, Australia
Ph: +61 3 9449 0958

OMICS Group

1-90/1, Plot No.20, Kavuri Hills,
Madhapur - HITEC City
Hyderabad, AP, INDIA - 500 081
Ph: 040-40138580/81

Toll free

USA & Canada: 1-800-216-6499
Europe: 0805-080048
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Australia: 1-800-651-097