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Scientific Program

6th International Conference on

Biomarkers & Clinical Research

August 31-September 02, 2015 Toronto, Canada



OMICS International Conferences:
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Day 1 August 31, 2015

9:00-9:30 Registrations

Conference Hall

09:30-10:00 **Opening Ceremony**

Keynote Forum

10:00-10:05	**Introduction**
10:05-10:35	**Trevor G Marshall** Autoimmunity Research Foundation, USA
10:35-11:05	**Claude Prigent** Institute of Genetics and Development of Rennes, France

Coffee Break 11:05-11:25 @ Foyer

Track 1: Types of Biomarkers
Track 7: Techniques to Maximize Biomarker Identification

Session Chair: Martin Weber, Austrian Institute of Technology GmbH, Austria
Session Co-Chair: Jan Voskuil, Everest Biotech Ltd., UK

Session Introduction

11:25-11:45	**DNA methylation biomarkers for lung cancer: From tissue based discovery to cell free DNA methylation testing** **Martin Weber,** Austrian Institute of Technology GmbH, Austria
11:45-12:05	**Mining the human urinary proteome biomarker discovery for human cancer and its metastases** **Marsha A Moses,** Harvard Medical School, USA
12:05-12:25	**The road from discovery to therapy through the use of antibodies** **Jan Voskuil,** Everest Biotech Ltd., UK
12:25-12:45	**Applying systems biology and predictive genomic analytics on patients with lung squamous cell carcinoma and RNA-Seq gene expression** **Scott Marshall,** Precision for Medicine, USA

Lunch Break 12:45-13:30 @ Foyer

13:30-13:50	**Prediction of local recurrence in ductal carcinoma *in situ*: Clinical validation of DCIS score** **Sharon Nofech Mozes,** University of Toronto, Canada
13:50-14:10	**Virus identification: Development of methods in the post-PCR antiviral therapy** **Biswendu B Goswami,** FDA Center for Food Safety and Applied Nutrition, USA
14:10-14:30	**Cardiac biomarkers: Troponins** **N S Neki,** Guru Nanak Dev Hospital, India

Workshop on "Biomarkers of novel generations to secure diagnostic, predictive, prognostic, therapeutic and preventive goals: A way to get the academia, faculty, biopharma and society united"

Session Chair: Sergey Suchkov, I.M.Sechenov First Moscow State Medical University, Russia
Session Co-Chair: Trevor G Marshall, Autoimmunity Research Foundation, USA

14:30-15:00	**PPPM as a model of healthcare services to operate biomarkers of newer generations to monitor clinical and subclinical stages of chronic inflammatory conditions of autoimmune origin** **Sergey Suchkov,** I.M.Sechenov First Moscow State Medical University, Russia
15:00-15:30	**Post-infectious autoimmune syndrome (PIFAS) as a predictive and a diagnostic factor to monitor chronic diseases of infectious and autoimmune origin (CDIO)** **Trevor G Marshall,** Autoimmunity Research Foundation, USA
15:30-15:50	**Viral myocarditis as a model to clearly demonstrate the impact and role of the human endomicrobiota changes into the development of chronic autoimmune diseases** **Mandrik Mark,** I.M.Sechenov First Moscow State Medical University, Russia
15:50-16:10	**Autoimmunity and autoimmune disorders-genomics and genome-based applications to set up biobanks networks and to secure genetic passportization** **Borovikov Artem,** I.M.Sechenov First Moscow State Medical University, Russia
16:10-16:30	**Application of bioinformatics in autoimmune disorders for identifying druggable pathways and promising targets** **Irina Zhegalova,** I.M.Sechenov First Moscow State Medical University, Russia

16:30-16:50	**Systemic autoimmune disorders: SLE and RA as an illustration of the clinical and predictive value of DNA-abzymes as unique biomarkers of newer generation to monitor the disorders at subclinical and clinical stages and to manage the disorders**
	Alisa Petkevich, I.M.Sechenov First Moscow State Medical University, Russia
	Coffee Break 16:50-17:05 @ Foyer
17:05-17:25	**Organ-specific autoimmune disorders: Translational biomarkers to confirm the diagnosis and to predict chronification and disabling**
	Dmitrii Cherepahin, I.M.Sechenov First Moscow State Medical University, Russia
17:25-17:55	**Tissue-specific autoimmune disorders: Antibody-proteases as a generation of highly informative and unique biomarkers to monitor subclinical and clinical stages of demyelination in multiple sclerosis (MS)**
	Sergey Suchkov, I.M.Sechenov First Moscow State Medical University, Russia
	Panel Discussion

Day 2 **September 01, 2015**

Conference Hall

Keynote Forum

09:30-10:00 **Biswendu B Goswami**
FDA Center for Food Safety and Applied Nutrition, USA

	Coffee Break 10:00-10:15 @ Foyer
Track 3: Biomarkers in Clinical Research and Development **Track 4: Omics Technologies in Biomarkers Discovery and Validation**	
Session Chair: Alain Moreau, Sainte-Justine University Hospital, Canada	
Session Co-Chair: Chee Gee See, Proteome Sciences, UK	
	Session Introduction
10:15-10:35	**Osteoarthritis unmasked: Identification of nuclear prohibitin as a new specific OA biomarker and therapeutic target**
	Alain Moreau, Sainte-Justine University Hospital, Canada
10:35-10:55	**Developing a blood metabolite HMT biomarker for Major Depression Disorder (MDD)**
	Alexander M Buko, Human Metabolome Technologies, USA
10:55-11:15	**Proteomic strategies to overcome tumor resistance to oncology targeted medicines**
	Chee Gee See, Proteome Sciences, UK
11:15-11:35	**Cell cycle and the world of biomarkers: What can we learn from proteomic studies?i**
	Iulia M Lazar, Virginia Tech., USA
11:35-11:55	**Differential mass-spectrometry proteomic and bioinformatic analysis of *Leishmania donovani* treated with miltefosine and analogs**
	Maria Paola Costi, Università degli Studi di Modena e Reggio Emilia, Italia
11:55-12:15	**Implication of cancer proteomics in development of biomarkers for early detection of HCC**
	S K Jain, Jamia Hamdard, India
12:15-12:35	**A chemical approach to mine the immunoproteome for disease biomarkers**
	Todd M Doran, Scripps Research Institute, USA
12:35-12:55	**Biomarkers in early phase oncology clinical development**
	Sid Katugampola, Centre for Drug Development at Cancer Research, UK
12:55-13:15	**Identification of a protein panel as pharmacodynaimic biomarker of folate directed targeted drugs in the treatment of ovarian cancer**
	Maria Paola Costi, Università degli Studi di Modena e Reggio Emilia, Italia
13:15-13:35	**Algorithm for evaluation of the tumor markers for diagnostics and therapy monitoring in cancer diseases**
	Judita Kinkorova, Charles University, Czech Republic
13:35-13:55	**Are urinary biomarkers from clinical studies biomarkers of disease or biomarkers of medicine?**
	Youhe Gao, Beijing Normal University, China
	Lunch Break 13:55-14:40 @ Foyer
14:40-15:00	**Immunochemical detection of glycated lens crystallins and their circulating auto-antibodies in human serum during aging**
	Mala Ranjan, Osmania University, India
15:00-15:20	**Clinical biomarkers in drug development: Quantitative PCR-based fit-for-purpose assay quantification**
	Shashwati Basak, Biocon Bristol-Myers Squibb Research and Development Center, India
15:20-15:40	**Development of a novel IHC based test for prediction of risk of recurrence for breast cancer patients**
	Manjiri Bakre, OncoStem Diagnostics Pvt Ltd., India
15:40-16:00	**Sao Paulo workers exposed to air pollution: Evaluation of genotoxicity**
	Mônica Valeria Marquezini, University of São Paulo Medical School, Brazil
16:00-16:20	**Dermcidin is a novel biomarker of hepatic carcinoma?**
	Fanghua Qiu, Guangzhou Hospital of Traditional Chinese Medicine, China

Coffee Break followed by Poster Presentations 16:20-17:20 @ Foyer	
17:20-18:00	**Workshop on "Preserving urinary proteins and nucleic acids on membrane"**
	Youhe Gao, Beijing Normal University, China
Panel Discussion	

Day 3 September 02, 2015

Conference Hall

Track 2: Functional Genomics and Cytogenetic Biomarkers
Track 5: Biomarkers of Exposure Response and Susceptibility
Track 6: Biomarkers for Disorders
Track 8: Biomarkers in Nanoscience

Session Chair: Claude Prigent, Institute of Genetics and Development of Rennes, France
Session Co-Chair: Sergey Suchkov, I.M.Sechenov First Moscow State Medical University, Russia

Session Introduction	
9:30-9:50	**Predictive molecular diagnosis of Alzheimer's dementia: Towards new clinical models for preventive treatment**
	Jens Wiltfang, Georg August University Göttingen, Germany
9:50-10:10	**A comprehensive approach for blood-derived biomarker assessment in pulmonary hypertension**
	Vasile Foris, Medical University of Graz, Austria
10:10-10:30	**Diagnostic implications of altered miRNA profiles in esophageal cancer**
	Rinu Sharma, Guru Gobind Singh Indraprastha University, India
Coffee Break 10:30-10:45 @ Foyer	
10:45-11:05	**The usage of biomarkers in terms of biological exposure indices for health surveillance in Thailand**
	Nalinee Sripaung, Ministry of Public Health, Thailand
11:05-11:25	**Clinical significance of cytogenetic biomarkers in acute myeloid leukemia: An Indian experience**
	Pina J Trivedi, The Gujarat Cancer & Research Institute, India
11:25-11:45	**Carotid arteries plaques regression in heterozygous familial hypercholesterolemia patients on statin therapy**
	Samia Perwaiz Khan, Ziauddin University, Pakistan
Young Researchers Forum	
11:45-12:00	**A comprehensive pipeline for biomarker discovery using circulating miRNA microarray data**
	Landoni E, University of Milan, Italy
12:00-12:15	**Mammalian hair follicles: Insights into microRNAs as a traumatic brain injury (TBI) biomarker**
	Jing Zhang, Royal Military College Of Canada, Canada
12:15-12:30	**Efficacy of TSHR mRNA as a tumor marker in the follow-up of differentiated thyroid cancer**
	Surasawadee Ausavarat, Mahidol University, Thailand
12:30-12:45	**Application of clinical exome sequencing and semantic knowledge base approach identifies potential causative variants in a family pedigree with atypical autosomal dominant distal muscular dystrophy**
	Mahjoubeh Jalali Sefid Dashti, University of the Western Cape, South Africa
Lunch Break 12:45-13:45 @ Foyer	

