

Tentative Program

International Conference on

**Biomarker Research in
Clinical Medicine**

February 19-21, 2018

Venue

Paris Marriott Charles de Gaulle Airport Hotel
5 Allee du Verger, Zone Hoteliere
Roissy en France, 95700 France

Supporters



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France

Keynote Speakers



Harald zur Hausen

German Cancer Research
Center (DKFZ)
Germany



Wassil Nowicky

Ukrainian Anti Cancer
Institute
Austria

Day 1 | February 19, 2018

Keynote

Pathogenicity of Bovine Bacterial Plasmid-Derived Virus-Like Infections

Harald zur Hausen, German Cancer Research Center (DKFZ), Germany

The Proton Preparation NSC-631570 (Ukraine) and Its Selective Effect

Wassil Nowicky, Ukrainian Anti Cancer Institute, Austria

*Sessions: * Clinical & Translational Biomarkers * Biomarker Discovery & Validation
* Genomic Biomarkers * Biomarkers in Drug Discovery & Development
* Biomarkers in Clinical Research*

The Effects of Dietary Polyunsaturated Fatty Acids on Prostate Cancer: Unbiased Proteomic and Phosphoproteomic Studies

Mu Wang, Indiana University School of Medicine, USA

Faster Detection of Ischemia in Free Tissue Transfers by Use of Microdialysis

Hanne Birke-Sorensen, Aarhus University, Denmark

Biosensors and Nanobiosensors for Rapid Point of Care Measurement of Biomarker Proteins

Paul Millner, University of Leeds, UK

Clinical and Translational Biomarkers for Lysosomal Storage Disorders

Christiane Auray-Blais, Université de Sherbrooke, Canada

Circulating Mirnas are Generic and Versatile Therapeutic Monitoring Biomarkers in Muscular Dystrophies

David Israeli, Genethon, INSERM, France

Biomarker Case Identification and Risk Prediction Precedes Prevention of Schizophrenia and Schizoaffective Psychosis

Stephanie Fryar-Williams, The University of Adelaide, Australia

NFL in CSF and Serum, A Potential Translational Dynamic Biomarker of Neurodegeneration in Preclinical Models

Nathalie Schussler, Sanofi R&D, France

Carbohydrate-Based Electrochemical Biosensors for Detection of a Cancer Biomarker in Human Plasma

Laurent Salmon, Univ Paris-Saclay, France

Profiling Signaling Proteins in Human Spermatozoa: Biomarker Identification for Sperm Quality Evaluation

Margarida Fardilha, University of Aveiro, Portugal

Clinical Applications of cfDNA Methylation in Breast Cancer

Bodour Salhia, University of Southern California, USA

Metabolomic Profiling of Dynamic and Basal Measures of Glucose Homeostasis and Diabetes Risk Identifies Distinct Metabolic Signatures

Donald Bowden, Wake Forest School of Medicine, USA

miRNA Expression Profiling of Mouse Colon Cancer Stem Cells: A Tumour-Specific Signature Traceable Along Colorectal Cancer Progression with Prognostic Value in Human Colon Cancer

Mariangela De Robertis, University of Bari, Italy

Values of Modern Laboratory Biomarkers for Timely Diagnosis and Intensive Treatment of Sepsis

Ekaterina Rogalskaya, Bakulev National Scientific and Practical Center for Cardiovascular Surgery, Russian Federation

Cancer Biomarkers in Biosensors Fabrication for Diagnostic Purposes

Samar Damiati, King Abdulaziz University, Saudi Arabia

Biomarkers used for Diagnosis and Therapy

Eva María Molina Trinidad, University of Hidalgo, Mexico

Leptin Gene Polymorphisms as a Biomarker in Obese Breast Cancer Patients

Kaiser Jamil, Bhagwan Mahavir Medical Research Center(BMMRC), India

Biomarkers for Rapid and Reliable Detection of Malaria in Humans

Jayaprakash NS, VIT University, India

Phase Imaging of Axonal Integrity of Cranial Corticospinal Tract in Experimental Spinal Cord Injury at 9.4T

Junchao Qian, Center of Medical Physics and Technology of Chinese Academy of Sciences, China

Autoantibodies against Aquaporin-5, A Novel Biomarker of Primary Sjögren's Syndrome

Youngnim Choi, Seoul National University School of Dentistry, South Korea

Serum 8, 12-iso-iPF₂ α -VI Isoprostane Marker of Oxidative Damage and Cognition Deficits in Children with Konzo

Bumoko G, University of Kinshasa, Zaire

Symposium & Panel Discussion on

“Biomarkers as a New Entity through the View of Personalized and Translational Medicine”

Chairman: Sergey Suchkov, I.M.Sechenov First Moscow State Medical University, Russia

Opening:

Andrey Svistunov (Sechenov University, Moscow)

Irina Zvestovskaya (National Research Nuclear University MEPhI, Russia)

Vladimir Lazar (WIN, Paris)

Michael Briggs (Woodland Pharmaceuticals, USA)

Keynote lectures

Personalized & Translational Medicine as a Tandem of The New Philosophy, Updated Mentality and Technological Platforms: A New Educational Program to secure The New healthcare Model

Sergey Suchkov, I.M.Sechenov First Moscow State Medical University & National Research Nuclear University MEPhI, Russia

Alliance on Translational Medicine: On the Way to get R&D, Clinical Affairs, Biopharma & Business

Irina Zavestovskaya, National Research Nuclear University MEPhI, Moscow, Russia

Clinical Trials on the Way to secure the Translational and Clinical Efficacy

Vladimir Lazar, WIN, Paris, France and ASCO, Washington, DC, USA

Biobanks: What is the Haystack and How Can We Get the Right Samples for Biomarker Research in Clinical Medicine

Fay Betsou, Integrated BioBank of Luxembourg (IBBL), Luxembourg

Introductory

Co-Chairs:

Vladimir Oleinikov (National Research Nuclear University MEPhI, and Institute of Bioorganic Chemistry, RAN, Russia)

Michael Briggs (Woodland Pharmaceuticals, USA)

Piotr Timashev (Sechenov University, Moscow, Russia)

Vladimir Lazar (WIN, Paris, France)

From Biodiversity to Personalized Medicine

Alexander Kagansky, Centre for Genomic and Regenerative Medicine and School of Biomedicine, Far Eastern Federal University (FEFU), Vladivostok, Russia

Biomarkers in Basics, Applied, Clinical and Translational Research to Get the Translational Pipeline Succeeded: New Educational Platforms

Anastasiya Voronkova, I.M.Sechenov First Moscow State Medical University, Moscow, Russia

Nanobiotechnologies and Nanobiomicroscopy as a New Research, Clinical and Educational Tool to Discover Biomarkers of the Newest Generations

Vladimir Oleinikov, National Research Nuclear University MEPhI and Institute of Bioorganic Chemistry, RAN, Moscow, Russia

Session: Biomarkers in Biopharma & Clinical Applications

Co-Chairs:

Victor Tsetlin (National Research Nuclear University MEPhI & Inst of Bioorganic Chemistry, RAN, Moscow, Russia)

Denis Butnaru (Sechenov University, Moscow, Russia)

Michael Briggs (Woodland Pharmaceuticals, USA)

Natalia Bakhtina (Karlsruhe Institute of Technology, Germany)

Genomics Testing and Its Applications in Personalized Pediatric Services (mitDNA)

Anastasiya Voronkova, I.M.Sechenov First Moscow State Medical University, Moscow, Russia

Biophotonics and Nanotheranostics

Andrei Kabashin, CNRS, Aix Marseille University, France and National Research Nuclear University MEPhI, Russia

In vivo Degradation Kinetics Of 3D Scaffolds traced with a Fluorescence Marker

Piotr Timashev, I.M.Sechenov First Moscow State Medical University, Moscow, Russia

Native and Modified Neurotoxic Peptides and Proteins as Biomarkers to Get Ion Channels Screened and the Subtypes Identified and Typed as Applicable to Healthy and Diseased Conditions: A New Way For Drug Design?

Victor Tsetlin, National Research Nuclear University MEPhI and Institute of Bioorganic Chemistry, RAN, Moscow, Russia

Novel Microengineered Environments for Mouse Embryonic Stem Cell (Mesc) Differentiation towards Cardiomyocytes

Natalie Bakhtina, Karlsruhe Institute of Technology (KIT), Institute of Microstructure Technology (IMT), Karlsruhe, Germany

Myocardial Repair with Customized Exosomes: Stimulation of Proliferation and Cardiomyogenic Differentiation of Cardiac-Committed Transient Amplifying Cells

Galina Belostotskaya, Mihail Galagudza, Sergey Suchkov, Institute of Evolutionary Physiology & Biochemistry, RAN, and Almazov's Center, S-P, Russia

I.M.Sechenov First Moscow State Medial University & National Research Nuclear University MEPhI, Russia

Alliance of Translational Medicine, Russia

Session: Biomarkers in Clinical Practice: Today and Tomorrow

Co-Chairs:

Vadim KUMEIKO (Vladivostok, Russia)

Galina Belostotskaya (S-P, Russia)

Alain Chapel (Institut of Radiation and Nuclear Safety, Paris, France)

Vladimir Lazar (Paris, France)

Nuclear Medicine through the View of Personalized Healthcare

Andrei Postnov, National Research Nuclear University Mephi and N.N.Burdenko Institute of Neurosurgery, Moscow, Russia

Markers in Tissue Engineering

Denis Butnaru, I.M.Sechenov First Moscow State Medial University, Moscow, Russia

Etiology of NASH and the Development of HCC: Biomarkers to Monitor a Multistep Process in Human and Animal Models

Michael Briggs, Woodland Pharmaceuticals, LLC Shrewsbury, MA, USA

Stem Cell Therapy and Biomarker-Based Monitoring as an Answer to Radiation Damage

Alain Chapel, Institut of Radiation and Nuclear safety, Paris, France

Antibody-Proteases as the Newest Biomarkers and Promising Targets in Multiple Sclerosis

Sergey Suchkov, I.M.Sechenov First Moscow State Medial University and National Research Nuclear University MEPhI, Russia

ACS, Washington, DC, USA

Markers of the Cell Differentiation as a Tool to Control the Quality of Implantable Tissue-Engineered Constructs

Anastasia Shpichka, Institute of Photonic Technologies, National Center of Crystallography and Photonics and I.M.Sechenov First Moscow State Medial University, Russia

How to Develop a Novel Type of Medical School: From Traditional Isolated Integrity to Multi-Integration

Vadim Kumeiko, School of Biomedicine, Far Eastern Federal University (FEFU), Vladivostok, Russia

Conclusions:

Sergey Suchkov (Sechenov University & National Research Nuclear University MEPhI, Russia)

Victor Tsetlin (Institute of Bioorganic Chemistry, RAN and National Research Nuclear University MEPhI, Moscow, Russia)

Vladimir Oleinikov (National Research Nuclear University MEPhI and Institute of Bioorganic Chemistry, RAN, Moscow, Russia)

Vladimir Lazar (WIN, Paris)

Michael Briggs (Woodland Pharmaceuticals, USA)

Day 2 | February 20, 2018

*Sessions: * Cancer Biomarkers * Neuro & Immuno Biomarkers * Computational Biomarker
* Biomarkers in Nutrition * Biomarkers in Personalized Medicine*

Aurora-A Kinase and Cancers: A Biomarker to Detect and A Target to Inhibit

Claude Prigent, Institute of Genetics and Development of Rennes, France

Resistance to Tyrosine Kinase-Targeted Therapy in Lung Cancer: Autophagy and Metabolic Changes

Olivier E Pardo, CRUK-LIF, UK

Association of ACE Gene I/D Polymorphism with Susceptibility to Osteoarthritis

Banu Bayram, Muğla Sıtkı Koçman University, Turkey

Eye Movement as Biomarker of Neurodegenerative processes in CNS on Example of Parkinson's Disease

Andrzej Przybyszewski, UMass Medical School University, USA

Conjunction of the Molecular, Cytogenetic and Genetic Biomarkers as Predictor of Vulnerability to Medical Radiation Treatment

Antonina Cebulska-Wasilewska, Polish Academy of Sciences, Poland

Genomic Biomarkers and Utility in Lung Cancer

Ravi Salgia, City of Hope, USA

Wnt Signaling in Tumorigenesis of Astrocytic Brain Tumors

Nives Pećina-Slaus, School of Medicine University of Zagreb, Croatia

PTPRQ as A Potential Biomarker for Idiopathic Normal Pressure Hydrocephalus

Yuki Nagata, National Center for Geriatrics and Gerontology, Japan

Alpha-1-Microglobulin/Bikunin (AMBP) Protein Corona (PPC) as Biomarker for Early Diagnosis in Non-Small-Cell Lung Carcinomas (NSCLC) Patients: A Case Report

Marina Di Domenico, University of Campania "Luigi Vanvitelli", Italy

Prediction of IPF Within 1-2 year With the Early Changes in Quantitative Imaging Patterns Using High Resolution Computed Tomography

Grace Hyun J. Kim, David Geffen School of Medicine, UCLA, USA

Translational Potential of Non-Coding RNAs in Oncology

Ondrej Slaby, Masaryk University, Czech Republic

MicroRNA 141 Expression Is a Potential Prognostic Marker of Biliary Tract Cancers

Ji-Kon Ryu, Seoul National University College of Medicine, Korea

Prognostic Impact of MED15 ,CD16 ,CD57 and TGF-B in Oral squamous cell carcinoma

Vahid Rakhshan, University of Medical Sciences, Iran

DNA Hydrolysis as a Bio-Marker for Immune Dysregulation in Neurological Disorders – Schizophrenia and Bipolar Disorder

Vijayalakshmi MA, VIT University, India

Anti-FIRs (PUF60) Auto-Antibodies are Detected in the Sera of Early-Stage Colon Cancer Patients

Kazuyuki Matsushita, Chiba University Hospital, Japan

Serum Level of HMGB1 Indicates Outcome of the Treatment of Tumor-Bearing Animals with Antineoplastic Drug NSC631570

Larysa Skivka, Taras Shevchenko National University of Kyiv, Ukraine

Day 3 | February 21, 2018

*Sessions: * Cardiac Biomarkers * Biomarkers Imaging & Dynamics
* Emerging Trends in Biomarker R&D*

The Elastic Titin Filament and its Muscle Specific Isoforms as Emerging Biomarkers for Myocellular Pathologies

Siegfried Labeit, University of Heidelberg, Germany

Endothelial Progenitor Cells and Apoptotic Endothelial Cell-Derived Microparticle as Biomarker of Heart Failure Phenotypes

Alexander Berezin, State Medical University, Ukraine

Anemia in Kawasaki Disease: Hepcidin as a Potential Biomarker

Ying-Hsien Huang, Kaohsiung Chang Gung Memorial Hospital, Taiwan

Developing a Personalized Treatment Model Based on Molecular Biomarkers and Molecular Imaging in Breast Cancer

Partha Choudhury, Rajiv Gandhi Cancer Institute & Research Centre, India

Oxidized HDL Apolipoprotein-A1 as a Risk Predictor of Cardiovascular Disorders

Krishnan Venkataraman, VIT University, India

Gold Nanoclusters: Promising Biomarkers

Pradipta Purkayastha, Indian Institute of Science Education and Research (IISER), India

Poster session: will be updated shortly

Note : This program is tentative and subject to change

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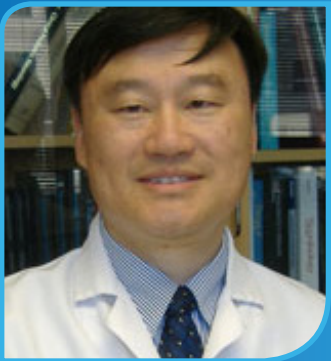
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8105, Rasor Blvd - Suite #112, PLANO, TX 75024, USA

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