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Joint Conference

Proceedings of

25th World Congress on

CANCER SCIENCE AND THERAPY

&

10th World Congress on

BIOMARKERS & CLINICAL RESEARCH

October 18-20, 2017 Baltimore, USA

Conferenceseries LLC - America

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Conference Hall

conference**series**.com 09:00-09:25

Opening Ceremony

Keynote Forum

09:25-09:30 Introduction

09:30-10:00 Title: **Molecular surrogates of histologic activity in crohn's disease**
Frédéric Baribaud, Johnson & Johnson, USA

10:00-10:30 Title: **Genomic approaches in modern biotechnology - From discovery translation to implementation**
David Dongliang Ge, Apostle Inc, USA

10:30-11:00 Title: **Integrated biomarker strategies in immuno-oncology**
Kamala K Maddali, Cancer Genetics Inc, USA

Panel Discussion

Networking & Refreshment Break 11:00-11:20

11:20-11:50 Title: **Non-invasive quick, early diagnostic method and individualized safe, effective treatment of various cancers and their metastasis using highly sensitive electro-magnetic field resonance phenomenon between 2 identical molecules or cancer tissues**
Yoshiaki Omura, New York Medical College, USA

11:50-12:20 Title: **An empirical assay for assessing genomic sensitivity and for improving cancer diagnostics**
Diana Anderson, University of Bradford, UK

12:20-12:50 Title: **Translational approach to detect biomarkers bedside**
Srinivas Pentyala, Stony Brook Medical Center, USA

12:50-13:20 Title: **Cancer genomic biomarkers in human malignancies**
Jianhua Luo, University of Pittsburgh, USA

Panel Discussion

Group Photo

Lunch Break 13:20-14:10

14:10-14:40 Title: **Perioperative use of NSAID might prevent early relapses in breast and other Cancers: An upstream approach**
Michael Retsky, Harvard School of Public Health, USA

Panel Discussion

Sessions:

Biomarkers | Cancer Biomarkers | Novel Approaches to Cancer Therapeutics | Molecular Biomarkers | Biomarkers for Immuno-Oncology | Biomarkers in Clinical Research & Development | Biomarkers and Drug Discovery | Cancer Metastasis | Cancer screening & Diagnostics Session | Tumor & Cancer Immunology | Biomarkers and Pathology | Biomarkers for Disorders

Session Chair: Diana Anderson, University of Bradford, UK

Session Chair: Jianhua Luo, University of Pittsburgh, USA

Session Introduction

14:40-15:00 Title: **Water channel AQP5 is a potential novel biomarker of diabetic nephropathy**
Wenzheng Zhang, Albany Medical College, USA

15:00-15:20 Title: **SIRT1 and Chk1 inhibition as novel therapeutic strategies in melanoma**
A-Lien Lu-Chang, University of Maryland, USA

- 15:20-15:40 **Title: Cancer and personalized medicine: Advances and conundrums in cancer therapy: A perspective on how to Improve foresightedness and pioneer cancer treatment innovations**
Sherry A Bradford, AccuTheranostics, USA
- 15:40-16:00 **Title: Key molecules associated with the development of nodular gastritis due to *Helicobacter pylori* infection in children**
Tamaki Ikuse, Juntendo University Graduate School of Medicine, Japan

Panel Discussion

Networking & Refreshment Break 16:00-16:20

- 16:20-16:40 **Title: Cancer metastasis: Enactment of the script for human reproductive drama**
Xichun Sun, Virginia Commonwealth University, USA
- 16:40-17:00 **Title: Paraneoplastic antigens as biomarkers for surveillance and prediction of recurrence in ovarian cancer**
Michael A Tainsky, Wayne State University School of Medicine, USA
- 17:00-17:20 **Title: Nanofibers with unique adaptive and invasive properties for enhanced tumoral retention and anticancer drug delivery**
Vanessa Bellat, Weill Cornell Medicine, USA
- 17:20-17:40 **Title: CS1 (CD319) is an effective immunotherapeutic target for multiple myeloma**
Porunelloor A Mathew, University of North Texas Health Science Center, USA
- 17:40-18:00 **Title: The efficacy of Gasdermin gene family for tumor marker in colorectal cancer**
Hajime Orita, Shizuoka Hospital-Juntendo University, Japan
- 18:00-18:20 **Title: Sam68 regulates colon tumorigenesis by genotoxic stress-induced NF-kB activation**
Kai Fu, Johns Hopkins University, USA

Video Presentations

- 18:20-18:40 **Title: Early detection of ovarian cancer**
Tijen Atacag, Near East University, Turkey
- 18:40-19:00 **Title: Chronic inflammation and mucus hyper secretion – the factors responsible for various respiratory diseases including throat and lung cancers**
Manikonda Prakash Rao, Osmania University, India

Panel Discussion

Day 2 October 19, 2017

Conference Hall

Keynote Forum

- 09:00-09:30 **Title: Regulatory considerations for *In Vitro* diagnostics in oncology**
Soma Ghosh, Food and Drug Administration, USA
- 09:30-10:00 **Title: Mate-Pair Sequencing (MP-Seq) as a powerful clinical tool for the management of cancer patients**
David I Smith, Mayo Clinic, USA
- 10:00-10:30 **Title: The predictive safety testing consortium: Qualification of translational safety biomarkers for use in drug development**
John Michael Sauer, University of Arizona College of Medicine, USA

Panel Discussion

Networking & Refreshment Break 10:30-10:50

- 10:50-11:20 **Title: Pre-clinical and clinical studies in COPD and cardiovascular areas and the role of biomarkers**
Nikolai V Ivanov, Philip Morris International Research & Development, Switzerland
- 11:20-11:50 **Title: Tackling heterogeneity in advanced cancers with personalized combination therapeutics**
Lowe Leroy, Lancaster University, UK

Panel Discussion

Session:

Biomarker Discovery | Radiation Oncology | Cancer Clinical Trials | Cancer Diagnostics & Diagnostic Market | Targeted Cancer Therapy | Verification & Validation | Personalized Medicine and Data Analysis | Cancer Research | Clinical Research | Clinical Trials | Translational Biomarkers & Diagnostics |

Session Chair: Frédéric Baribaud, Johnson & Johnson, USA

Session Chair: David I Smith, Mayo Clinic, USA

Session Introduction

- 11:50-12:10** **Title: In silico approach to biomarker discovery and precision medicine applications pertaining to medical devices**
Yelizaveta (Lisa) Torosyan, Food and Drug Administration, USA
- 12:10-12:30** **Title: Serum biomarkers in cancer patients treated with checkpoint inhibitors**
Peter Schulz-Knappe, Protagen AG, Germany
- 12:30-12:50** **Title: AlphaLISA high throughput screen discovers a novel small-molecule inhibitor to target protein arginine methyltransferase 5 in pancreatic and colorectal cancers**
Tao Lu, Indiana University School of Medicine, USA

Panel Discussion

Lunch Break 12:50-13:40

- 13:40-14:00** **Title: Detection of gene mutations in gastric cancer tissues by sequencing panel**
Tomoaki Ito, Shizuoka Hospital-Juntendo University, Japan
- 14:00-14:20** **Title: Focused ultrasound enhanced delivery in solid tumors**
Victor Frenkel, University of Maryland School of Medicine, USA
- 14:20-14:40** **Title: Clinical plasma biomarker development for Major Depressive Disorder (MDD)**
Alexander M Buko, Human Metabolome Technologies, USA
- 14:40-15:00** **Title: Aberrant genome duplication as both a cause and a cure for cancer**
Melvin L DePamphilis, National Institute for Child Health & Human Development, USA

Panel Discussion

Networking & Refreshment Break 15:00-15:20

- 15:20-16:00** **Title: FDA/CDRH perspectives on imaging biomarkers: Technical performance and analytical validation**
Daniel M Krainak & Robert Ochs, Food and Drug Administration, USA
- 16:00-16:20** **Title: Hepatocellular carcinoma 2017: MR and MSCT imaging**
Janio Szklaruk, UT MD Anderson Cancer Center, USA
- 16:20-16:40** **Title: The study of the markers of mood disorder with gastrointestinal cancer patients**
Satoshi Tokuda, Shizuoka Hospital-Juntendo University, Japan
- 16:40-17:00** **Title: Clinical constellation of the utility of the p87 biomarker for cancer**
Martin Tobi, Central Michigan University College of Medicine, USA
- 17:00-17:20** **Title: Identification of phenanthridinone based inhibitors of BRD2-BD2 bromodomain by structure-based drug discovery approach**
Padmanabhan Balasundaram, National Institute of Mental Health and Neuro Sciences, India
- 17:20-17:40** **Title: Anticancer activity of polyphenolic acetates mediated by calreticulin transacetylase in lung cancer**
Vishwajeet Rohil, Vallabhbhai Patel Chest Institute, India
- 17:40-18:00** **Title: Combination of mass spectrometry-ELISA platforms for Alzheimer blood biomarkers**
Weiming Xia, Boston University School of Medicine, USA

Panel Discussion

Conference Hall

Keynote Forum

- 09:00-09:30 **Title: Tumor genomic sequencing to guide treatment**
George Vasmatazise, Mayo Clinic, USA
- 09:30-10:00 **Title: Ab-proteases as unique biomarkers and biopredictors to monitor chronic inflammation of autoimmune origin at subclinical and clinical stages**
Sergey Suchkov, I M Sechenov First Moscow State Medical University, Russia
- 10:00-10:30 **Title: Immunobiomarkers for immunotherapy in non-small cell lung carcinoma**
Qing Kay Li, Johns Hopkins Medical Institutions, USA

Panel Discussion

Networking & Refreshment Break 10:30-10:50

Sessions:

Biomarkers & its Diseases | Cancer Cell Biology | Cancer Drugs | Precision Medicine & Cancer Therapy | Functional Genomics and Cytogenetic Biomarkers | Omics Technologies in Biomarkers Discovery and Validation | Techniques to Maximize Biomarker Identification | Biomarkers and Pharmacology |

Session Chair: Vasmatazis George, Mayo Clinic, USA

Session Chair: Qing Kay Li, Johns Hopkins Medical Institutions, USA

Session Introduction

- 10:50-11:10 **Title: Dysregulation of apoptosis-regulating miRNA by curcumin sensitizes kidney cancer cells to TRAIL induced apoptosis**
Ismael Obaidi, Conway Institute, Ireland
- 11:10-11:30 **Title: Proteomics-based biomarker discovery through data mining**
Umashanger Thayasivam, Rowan University, USA
- 11:30-11:50 **Title: Bacterial nucleases as signal-amplifying biomarkers for infectious disease diagnostics**
James O McNamara, The University of Iowa, USA
- 11:50-12:10 **Title: Human MicroRNA miR-888 cluster is a novel oncogenic network in the prostate involved in cancer progression pathways**
Aurora Esquela Kerscher, Eastern Virginia Medical School, USA
- 12:10-12:30 **Title: Cytoglobin expression in transplanted pancreatic islets improves insulin production by enhanced oxygen supply and protects from cell death in diabetes**
Bhuvaramurthy Venugopal, University of Madras, India
- 12:30-12:50 **Title: MERTK promotes resistance to irreversible EGFR TKIs in NSCLCs expressing wild-type EGFR**
Dan Yan, Emory University, USA

Panel Discussion

Lunch Break 12:50-13:40

- 13:40-14:00 **Title: Angiogenic properties of NSC-70 (UKRAIN/NSC-631570)**
Wassil Nowicky, Ukrainian Anti-Cancer Institute, Austria
- 14:00-14:20 **Title: Nanotechnology platform for personalized cancer treatment**
Shyam Mohapatra, University of South Florida, USA
- 14:20-14:40 **Title: Organelle genome polymorphisms: A molecular epidemiology tool for differentiation of cyclospora cayetanensis isolates during foodborne outbreaks**
Hediye Nese Cinar, Food and Drug Administration, USA
- 14:40-15:00 **Title: Oxidative stress induced NRF2 regulation in BxPC-3 pancreatic cancer cells and identification of therapeutic targets**
Hem D Shukla, University of Maryland, USA
- 15:00-15:20 **Title: Stem cell factors and markers: Biomarkers for bladder cancer detection and target therapy**
Mohammad Obaidul Hoque, Johns Hopkins University, USA

15:20-15:40 **Title: Biomarkers of hypoglycemia in human breath and sensor development**
Mangilal Agarwal, Indiana University, USA

15:40-16:00 **Title: Current regulatory trends and applicability of biomarkers in drugs, biologics and devices: A US FDA Outlook**
Nina Mezu-Nwaba, Food and Drug Administration, USA

Panel Discussion

Networking & Refreshment Break 16:00-16:20

Video Presentations

16:20-16:40 **Title: Serum SAA2 protein as a diagnostic biomarker for egyptian Hepatocellular Carcinoma patients associated with HCV Infection**
Erin Awad Rezk Sharkawy, Cairo University, Egypt

16:40-17:00 **Title: Biomarker of adult human neurogenesis enables studies of aging and depression**
Mirjana Maletic-Savatic, Baylor College of Medicine, USA

Poster Presentations @ 17:00-17:30

P 01 **Title: Non-interventional, retrospective and anonymized data base study on breast tumors for markers predictive of risk of recurrence**
Kamuju Suryahari & Immadi Sreevallika, Clinical Trials, India

P 02 **Title: Derivation of a unique body surface area (BSA) formula for calculation of relatively safe doses of dog and human anticancer drugs**
Saganuwan Alhaji, University of Agriculture, Nigeria

P 03 **Title: Specificity of biogenic selenium nanoparticles for prostate cancer chemoprevention with reduced risk of toxicity**
Praveen Sonkusre, CSIR - Institute of Microbial Technology, India

Panel Discussion

Award Ceremony

Thanks Giving & Closing Ceremony

