

Fourth International Conference on Cancer Research and Drug Development
October 21-23, 2019 | Radisson Hotel Baltimore Downtown-Inner Harbor | Baltimore,
Cancer R&D 2019 Tentative Program

Registrations *8:00 AM to 9:00 AM*
Welcome Drinks

Oct 21, 2019

Day 1 **9:00 AM to 1:00 PM**

Keynote Talks

Title: Use of cancer nanomedicine to deliver nqo1 bioactivatable drugs for the treatment of solid cancers
David Boothman, Simon Cancer Center, IN

Title: Talk title yet to be updated
Polly Matzinger, NIAID/NIH, MD

Title: Regulatory mechanisms and pharmacology of Ras signaling at the membrane
Ruth Nussinov, NCI/NIH, MD

Title: Maintaining Intracellular Acid-Base Homeostasis is Probably at the Core of Cancer Formation, Progression and Metastasis
Ying Xu, University of Georgia, GA

Title: Goodbye hospitals: Hello implantable sensors for cancer treatment
Thomas Webster, Northeastern University, MA

Title: On the futility of killing cancer cells to cure cancer
Indraneel (Neel) Mittra, Tata Memorial Research Center, India

Title: Transcript Expression Patterns Predict Survival in Multiple Cancers
Edward Prochownik, Children's Hospital of Pittsburgh of UPMC, PA

Title: Regulation Of Monocyte Macrophage Maturation: Impact On Tumor Immunotherapy
Dennis Klinman, NCI/NIH, MD

Title: Development of an antibody drug conjugate that targets activated matriptase in solid tumors and
Joseph Bertino, Rutgers Cancer Institute, NJ

Title: Recurrent Fusion Genes In Human Cancers: Biological Roles And Opportunity Of Targeting
Jianhua Luo, University of Pittsburgh, PA

Keynotes yet to be confirmed

Novel Therapeutics Target in Cancer

Title: A family of pikfyve inhibitors with therapeutic potential against autophagy-dependent cancer cells disrupt multiple events in lysosome homeostasis

Melvin L. DePamphilis, NICHD/NIH, MD

Title: TBA

Srikumar Chellapan, Moffitt Cancer Center, FL

Title: The role of testosterone and prolactin in terminal testosterone-independent prostate cancer; A proposed efficacious treatment with clioquinol (zinc Ionophore) and cabergoline (prolactin dopamine agonist)

Leslie C. Costello, University of Maryland Greenebaum Comprehensive Cancer Center, MD

Title: Decreased zinc in the development and progression of malignancy: an important common relationship and potential for prevention and treatment of carcinomas

Renty B. Franklin, University of Maryland School of Dentistry, MD

Title: Characterizing S100A7 Regulation in Oral Squamous Cell Carcinoma

Melania Mercado-Pimentel, University of Arizona, AZ

Title: Identifying and validating therapeutic targets in cancer using integrated data analysis tool UALCAN

Sooryanarayana Varambally, University of Alabama at Birmingham, AL

Title: Anti-TACE antibody drug development for the treatment of cancer

Hang Fai Kwok, University of Macau, Macau

Title: A common cellular and molecular pathway for tumor stem cell development

Jian-Xin Gao, Shanghai jiao Tong University School of Medicine, China

Title: Fluorescent reporters for simultaneous determination of cell cycle phase and onset of cell death

Yongliang Zhang, NIDDK/NIH, MD

Title: "Real World" Survey of Hydrogen-Controlled Cancer: Follow-up Report of 82 Cases of Advanced Cancer with Hydrogen Inhalation

Kecheng Xu, Fuda Cancer Hospital, Jinan University, China

Cancer Genetics

Title: Targeting the WRN Helicase-Nuclease In Vivo with Small Molecules

Robert Brosh, NIA/NIH, MD

Title: Computational Identification of Drug Sensitivity Subnetworks

Teresa Przytycka, NCI/NIH, MD

Title: Epigenetic Reprogramming Strategies in High-grade Serous Ovarian Cancer

Daniela Dinulescu, Harvard Medical School, MA

Title: pathCHEMO: Uncovering pathway markers of chemoresistance in lung adenocarcinoma

Antonina Mitrofanova, Rutgers University, The State University of New Jersey, NJ

Title: Optimizing CRISPR tools for high-throughput screening

Joana Vidigal, NIH/NCI, MD

Title: Glimps: Glioblastoma Immune Prognostic Signature Associated With Response To Anti-Pd1 Immunotherapy

Shaoli Das, NIH/NCI, MD

Slots available....

Day 2: Oct 22, 2019

Session III

8:30 AM to 05:30 PM

Cancer Targeted Therapy & Metastasis

Title: GPCR regulate RTK transactivation in a reactive oxygen species dependent manner

Terry Moody, NIH/NCI, MD

Title: Multivalent agents for targeting glioblastoma

Waldemar Debinski, Wake Forest School of Medicine, NC

Title: Targeted osmotic lysis of advanced-stage cancers using concurrent pulsed magnetic fields and pharmacological blockade of sodium pumps

Dennis Paul, Louisiana State University, Health Sciences Center, LA

Title: AvidinOX and biotinylated therapeutics: Targeting the cure where it is needed

Rita De Santis, Alfasigma SpA, Italy

Title: Wnt5a signaling pathways and regulatory mechanisms in microenvironment of disease - implications for therapeutic approaches

Ramiro Malgor, Ohio University, OH

Title: In vitro radiosensitizing effects of proteasome inhibitor bortezomib through PDL-1 expression on 3D glioblastoma cell cultures

Betul Karademir, School of Medicine, University of Marmara, Turkey

Title: Towards a Mitochondria-based-targeted therapy for eliminating chemoresistant tumor-initiating (stem) cell

Kasturi Mitra, University of Alabama, AL

Title: Fatty acid synthase as a therapeutic target for colorectal cancer

Yekaterina Zaytseva, University of Kentucky, KY

Title: Role of angiopoietin-like 4 protein in head and neck squamous cell carcinoma metastasis through lymphangiogenesis

Silvia Montaner, University of Maryland, School of Dentistry, MD

Title: CD44 regulates the maintenance of stemness and progression of cancer through sox2 expression in androgen-independent prostate cancer cells (pc3 cells) derived from bone metastasis

Meenakshi Chellaiah, University of Maryland, School of Dentistry, MD

Title: Targeted chemotherapy combined with doxorubicin reduces growth and viability of immunoresistant CT26 colorectal tumors and alters the tumor microenvironment

Irving W. Wainer, University of Rowan, Cooper Medical School, NJ

Title: Inhibition of angiogenic signaling upregulates RASSF1A expression

Aditi Banerjee, University of Maryland School of Medicine, MD

Title: Partial agonist action of cetuximab on epidermal growth factor receptor

Hakan Gurdal, Ankara University, Turkey

Slots available....

Parallel Session

Multi Drug Resistance-Symposium

Linking Fundamental Mechanisms to Clinical Applications through Innovation and Multidisciplinary Approaches

Introduction Talk by Dr. Suresh Ambudkar

Chair: Suresh V Ambudkar

Co-Chair: Anika M. Hartz

Title: Dual pi3k/akt inhibition: a new strategy to improve drug delivery in glioblastoma therapy

Anika Hartz, University of Kentucky, KY

Title: Probing the clinical relevance of mechanisms of multidrug resistance in cancer

Michael Gottesman, NCI/NIH, MD

Title: ABC transporters and drug resistance: molecular basis of polyspecificity

Suresh Ambudkar, NCI/NIH, MD

Coffee Break

Title: Drug resistance in leukemia

John D. Schuetz, St. Jude Children's Research Hospital, TN

Title: Collateral sensitivity of natural products in drug-resistant cancer cells

Thomas Efferth, Johannes Gutenberg University, Germany

Title: TBA

Susan Bates, Columbia University Medical Center, NY

Title: Shedding new light on the inhibition of atp-binding cassette transporters

Huang Chiao (Joe) Huang, University of Maryland, MD

Title: TBA

Zhe-Sheng Chen, St. John's University, NY

Title: 4E-BP1 as an oncogenic/therapeutic target

Qing-Bai She, University of Kentucky, KY

Title: TBA

Amit Tiwari, University of Toledo, OH

Day 3: Oct 23, 2019

Session IV

8:30 AM to 1:30 PM

ORGAN SPECIFIC CANCERS

Title: Senescence after growth arrest: a physiological mechanism by which CDK4/6 inhibitors can exert their anti-tumor effects

Andrew Koff, Memorial Sloan Kettering Cancer Center, NY

Title: Cooperative targeting of mouse tumor susceptibility genes leads to drug combinations targeting MYC

Beverly Mock, NCI/NIH, MD

Title: Non-invasive urine markers for the differentiation between RCCs and oncocytoma

Melanie von Brandenstein, University Hospital of Cologne, Germany

Title: Roles of p53-repressed Genes in the Survival of Osteosarcoma Cell

Jing Huang, NCI/NIH, MD

Title: The transcription factor CFBF suppresses breast cancer through orchestrating translation and

Navdeep Malik, NCI/NIH, MD

Title: Systems approach reveals metabolic reprogramming driven mechanism in models of proteasome inhibitor resistance

Snehal M Gaikwad, NCI/NIH, MD

Title: Effects of surfactants on water solubility and anti-hepatic fibrosis of curcuminoids

Hongtao Xiao, Sichuan Cancer Center, School of Medicine, China

Title: Development of A Clinically and Genetically Relevant Metastasis Model for Osteosarcoma

Yu-Chou Tseng, NCI/NIH, MD

Slots available....

Cancer Radiation Therapy & Cancer Microenvironment

Title: Identifying novel biomarkers predictive of response to ATR and CHK1 inhibitors

Greg Stanisz, Sunnybrook Research Institute, Canada

Title: Identifying novel biomarkers predictive of response to ATR and CHK1 inhibitors

Junran Zhang, Ohio State University, OH

Title: Regional and Socio-demographic Factors in Cancer-related Hospitalizations and survival rates among American in 2010 and 2015

Farah Farahati, University of Baltimore, MD

Title: Lung Cancer-Cell Signaling Drives Immunosuppressive Responses In the Tumor Microenvironment

Yinling Hu, NCI/NIH, MD

Title: EGFR Naivety in Epithelial Lung Cancer Stem Cells Contributes to TKI Resistance in Non-Small Cell Lung Ca

Zhiguang Xiao, University of Rochester, NY

Title: Extracellular signaling and communication between liver cancer cells and neighboring cells

Ayşe Mine Yılmaz, Marmara University, Turkey

Title: Non-alcoholic steatohepatitis-associated HCC: potential strategy for prevention

Yan Li, University of Louisville, LA

Slots available....

Posters

Title: The relativity of genetic polymorphisms to plasma methotrexate levels and toxicities of high-dose methotrexate in pediatric acute lymphoblastic leukemia

Xia He, Sichuan Academy of Medical Science, China

Title: High-throughput screen identifies novel combinations targeting drug-resistant multiple myeloma

Tyler Peat, NCI/NIH, MD

Title: CD44 Intracellular domain interaction with Runx2 regulates prostate cancer metastasis

Linda Senbanjo, University of Maryland, MD

Title: METTL3 promoted autophagy in epithelial ovarian cancer

Changyu Zhu, Personalized Drug Therapy Key Laboratory of Sichuan, China

Title: Anti-triple Negative Breast Cancer Effects of TAZ Inhibitor AR-42

Lei Zhong, Sichuan Academy of Medical Sciences, China

Title: Tumor-infiltrating lymphocytes: a prognostic biomarker in neoadjuvant-treated HR positive/HER2 negative breast cancer

Yilong liu, University of Electronic Science and Technology of China, China

Title: Protective effect of shikonin on renal tubular epithelial cell injury induced by high glucose

Junlan Chuan, University of Electronic Science and Technology of China, China

Title: Inverse relation between FoxM1 and RASSF1A as a therapeutic target of Colon cancer

Fahad Mubariz, University of Maryland, MD

Title: Inverse relation between FoxM1 and RASSF1A as a therapeutic target of Colon cancer

Neha Sharda, University of Maryland, MD

Title: Traditional Herbal Drug Repairing Metabolic Alteration In Breast Cancer Cells To Induce Cell Death In-Vitro And In-Vivo

Bhuban Ruidas, Indian Institute of Engineering Science and Technology Shibpur, India

*Tentative Program: Subjected to change**

Speaking and Poster slots are available

