Poster Session A
Tuesday, May 17, 2016
12:30 p.m.–3:00 p.m.
Metropolitan Ballroom 2–4

A01 Centrosome amplification induces autophagy and sensitizes to chloroquine. Ryan Denu, University of Wisconsin-Madison, Madison, WI, United States.

A02 BCL-xL dictates cell fate decisions induced by BET inhibition in triple negative breast cancer. Sylvia Gayle, Case Western Reserve University, Cleveland, OH, United States.

A03 Towards individualized head and neck squamous cell carcinoma (HNSCC) therapy: Determining the Bcl-2 family dependence and BH3 inhibitors sensitivity. Zaneta Nikolovska-Coleska, Department of Pathology, University of Michigan, Ann Arbor, MI, United States.

A04 Novel indol-based tambjamine analogs down-regulate survivin in lung cancer. Ricardo Pérez-Tomás, Faculty of Medicine, University of Barcelona, Barcelona, Spain.

A05 Targeting autophagy through novel anionophores that induce lysosomal dysfunction. Vanessa Soto-Cerrato, Faculty of Medicine, University of Barcelona, Barcelona, Spain.

A06 Combination of TRAIL and Chal-24 synergistically induces autophagy-mediated apoptosis in lung cancer cells. Xiuling Xu, Lovelace Respiratory Research Institute, Albuquerque, NM, United States.

A08 Mutations in PIK3R1 activate multiple pathways in breast cancer. Abde Abukhdeir, Rush University Medical Center, Chicago, IL, United States.

A09 Therapeutic targeting of TSC2-deficient cells with methotrexate: Results of a drug Repurposing Screen. Amine Belaid, Brigham and Women's Hospital, Boston, MA, United States.

A10 Redox regulation of the Wnt/β-catenin pathway in colorectal cancer. Alex Campos, Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA, United States.

A11 Therapeutic targeting of GCB- and ABC-DLBCLS by rationally designed BCL6 inhibitors. Mariano Cardenas, Weill Cornell Medical College, New York, NY, United States.

A12 Quercetin inhibits multiple pathways involved in interleukin 6 secretion from human lung fibroblasts and activity in bronchial epithelial cell transformation induced by benzo[a]pyrene diol epoxide. Wenshu Chen, Lovelace Respiratory Research Institute, Albuquerque, NM, United States.

A13 Targeting the RAS/RAF/MEK/ERK signaling pathway to overcome resistance to current treatments. Xiomaris Cotto Rios, Albert Einstein College of Medicine, Bronx, NY, United States.

A14 A randomized trial of exemestane +/- seribantumab (MM-121) in postmenopausal women with locally advanced or metastatic ER/PR+ HER2- breast cancer: Final analysis and extended subgroup analysis. Greg Finn, Merrimack Pharmaceuticals, Cambridge, MA, United States.

A16 Schedule-dependent synergism of MEK inhibitor with 5-fluorouracil in preclinical colorectal cancer models. Seung Jin Lee, Chungnam National University, Daejeon, Korea, Republic Of.

A17 Abiraterone metabolism and a novel therapeutic strategy for castration resistant prostate cancer. Zhenfei Li, Cleveland Clinic Foundation, Cleveland, OH, United States.

A18 Targeting the MNK kinases for the treatment of NF1-mutant cancers. Rebecca Lock, Brigham and Women's Hospital, Boston, MA, United States.

A19 Identification of Heregulin (HRG) expression as a driver of a difficult-to-treat cancer phenotype and development of a companion diagnostic for the HRG-ErbB3 targeting drug seribantumab. Sara Mathews, Merrimack Pharmaceuticals, Cambridge, MA, United States.

A20 The DNA damage-induced phosphoproteome is modulated by inhibition of the MET receptor. Michaela Medova, Inselspital, Bern University Hospital, Bern, Switzerland.

A21 Broad spectrum therapeutic suppression in triple-negative breast cancer via targeting coordinate tyrosine kinase dysregulation. Amritha Nair, Baylor College of Medicine, Houston, TX, United States.

A22 Toward developing a metastatic breast cancer treatment strategy that incorporates history of response to previous treatments. Aleksandra Olow, University of California, San Francisco, CA, United States.

A23 Novel approach for targeting hepatocellular carcinoma cell survival: OSU-2S/Sorafenib combination. Hany Omar, College of Pharmacy, University of Sharjah, Sharjah, United Arab Emirates.

A24 Targeting eIF4E- the nexus of oncogenic circuitry with proprietary novel retinamides (NRs) for prostate cancer therapy. Vidya Ramamurthy, University of Maryland Baltimore, Baltimore, MD, United States.

A25 COTI-2, a novel small molecule that is effective against multiple human cancer cell lines in vitro and in vivo. Kowthar Salim, Critical Outcome Technologies Inc., London, ON, Canada.

A26 Integrative systems analyses reveal addiction of HER2+ breast cancers to ERAD for survival. Navneet Singh, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, United States.


A28 Targeting the epigenetic state regulating cancer cell vulnerability to proteasome inhibition. Peter Tsvetkov, Whitehead Institute, Cambridge, MA, United States.

A29 Exploiting oxidative stress using MTH1 inhibitors in colorectal cancer. Lizet van der Waals, University Medical Center Utrecht, Utrecht, The Netherlands.
A30 Kinome dynamics in triple negative breast cancer in response to chemotherapy. Sara Velarde, UNC, Chapel Hill, NC, United States.

A31 14-3-3 binding sites in full-length and splice variant forms of BRAF V600E modulate the response to RAF inhibitors. Michael Vido, Thomas Jefferson University, Philadelphia, PA, United States.

A32 Upregulation of the Notch signaling pathway is associated with mortality and in vitro cell invasion in squamous cell carcinoma of the oral cavity. Alice Weaver, University of Alabama at Birmingham, Birmingham, AL, United States.

A33 Discovery of novel anti-cancer therapeutic agents for Notch activation complex kinase (NACK) targeting the Notch pathway. Xiaoxia Zhu, University of Miami Miller School of Medicine, Miami, FL, United States.

A34 Targeting genes which are amplified in ovarian cancer. Irina Kovtun, Mayo Clinic, Rochester, MN, United States.

A35 Olaparib causes premature loss of cohesion in cancer cells. Eva Kukolj, Max F. Perutz Laboratories, Vienna, Austria.

A36 TP53 loss creates therapeutic vulnerability in colorectal cancer. Yunhua Liu, MD Anderson Cancer Center, Houston, TX, United States.

A37 Modulation of homologous recombination DNA repair as a mechanism to delay development of resistance to targeted therapy. Marco Maruggi, Sanford-Burnham-Prebys Medical Discovery Institute, La Jolla, CA, United States.

A38 MTH1 Inhibition as an effective tumor-suppressive strategy in RAS-driven cancer. Govindi Samaranayake, University of Miami Miller School of Medicine, Miami, FL, United States.

A39 A small molecule inhibitor of the Notch transcriptional activation complex. Luisana Astudillo, University of Miami, Miami, FL, United States.

A40 Selective inhibition of the stress kinase PERK targets cancer cells that rely on the Integrated Stress Response pathways for survival. Veronica Calvo Vidal, Icahn School of Medicine at Mount Sinai, New York, NY, United States.

A41 Development of a risk analysis model for Triple-negative Breast cancer stages and Treatment of African American women. Rupak Chowdhury, Tuskegee University, Tuskegee, AL, United States.

A42 Alternate pseudotypes overcome receptor interference and enable combination suicide gene therapy with retroviral replicating vectors. James Grosso, University of Miami, Miami, FL, United States.

A43 Therapeutic efficacy of retroviral replicating vectors in orthotopic models of breast cancer metastasis to the brain. Akihito Inagaki, University of Miami, Miami, FL, United States.
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**A44 A landscape of pharmacogenomic interactions in cancer.** Ultan McDermott, Wellcome Trust Sanger Institute, Cambridge, United Kingdom.

**A45 Protein phosphatase 2A (PP2A) activity determines therapeutic vulnerability in cancer.** Jukka Westermarck, University of Turku, Turku, Finland.

**A46 A comprehensive genomic pan-cancer analysis comparing males and females using The Cancer Genome Atlas gene expression data.** YuanYuan Li, National Institute of Environmental Health Sciences, NIH, Research Triangle Park, NC, United States.

**A47 Anti-EMP2 IgG Mono Methyl Auristatin E (MMAE) antibody-drug conjugate (ADC) as a potential cancer therapeutic.** Shabnam Mohandessi, UCLA, Los Angeles, CA, United States.