

2021 Cancer Biology Annual Retreat

Poster Abstracts

Graduate Students

The Role of the Calcium-Sensing Receptor in Promoting Calcium-Inducible Genes **#10**

Heather Beasley Meharry Medical College

Investigating the role of type II IL4 receptor in triple-negative breast cancer brain metastasis **# 4**

Wendy Bindeman Vanderbilt University

The balance between canonical and alternative NF- κ B signaling pathways regulates dendritic cell function *Virtual #1* **Adam Brinkman Roswell Park Comprehensive Cancer Center**

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Graduate Student
Poster*

Tumor Specific CD8+ T Cell Response in Different Stages of Cancer Progression **# 8**

Carlos R. Detres-Roman Vanderbilt University

Defining the Role of EZH2 in the Tumor Immune-microenvironment of Squamous Lung Cancer **#20**

Tanner DuCote University of Kentucky Markey Cancer Center

Genomic Analysis of Prostate Cancer: Immune-inflammation signature in men of African ancestry

Virtual # 2 Isra A Elhussin Tuskegee University

Enhancing the antileukemic activity of venetoclax against AraC resistant cells through dual inhibition of PI3K and HDAC

Virtual # 5 Katie Hege Hurrish Wayne State University School of Medicine

MEK Inhibitor, Trametinib, Sensitizes Rhabdomyosarcoma to Ionizing Radiation by Regulating SNAI2

Virtual # 3 Nicole Hensch University of Texas Health Science Center San Antonio

Hedgehog signaling rewires M2 macrophage and regulatory T cell metabolism within the tumor microenvironment

Virtual # 4 Dominique Hinshaw University of Alabama at Birmingham

Rational Design and Identification of N-Heterocyclic DYRK1A Inhibitors as Potential Anticancer Therapeutics **#12**

Francisco Huizar University of Notre Dame/Harper Cancer Research Institute

Role of FOXO Transcription Factor Dynamics in Determining Cell Fates

Virtual # 6 Julie Huynh University of Arizona

Type 1 Calreticulin Mutations Differentially Activate the IRE1 α -XBP1 Pathway of the Unfolded **# 2**

Protein Response to Drive Myeloproliferative Neoplasms

Juan Ibarra University of Chicago

Prostate cancer: targeting the androgen receptor for degradation with α -mangostin through a novel protein interaction **# 7**

Mirielle Nauman University of Illinois at Chicago

A Network of Bacterial Genera Associated with Therapeutic Response to Immune Checkpoint PD-1 Blockade in a United States Cohort

Virtual # 8 Rachel Newsome University of Florida Health Cancer Center

PP2A Inhibition Overcomes TRAIL Resistance in Triple-Negative Breast Cancer Cells

Virtual # 9 Julio M. Pimentel Wayne State University

Linking glycosylation signatures in Pancreatic Cancer with metabolic dependencies **#18**

Alfredo Reyes-Oliveras Van Andel Institute Graduate School

Studying the Efficacy of Chemoprevention Agents in a Novel Mouse Genetic Mosaic Model of **# 21**

Triple Negative Breast Cancer Alexys Riddick University of Virginia School of Medicine

Dissecting the role of UBE2J1 in metastatic prostate cancer # 16

Carla S. Rodriguez-Tirado University of Texas Southwestern Medical Center

Bat-derived p53 NLS mutant mouse reveals novel metabolic functions of cytoplasmic p53 # 1

Jack Douglas Sanford University of North Carolina at Chapel Hill

Profiling the dynamic and temporal changes in response to UVB exposure in keratinocytes # 9

Emma Wilkinson University of Chicago

Focal disruption of DNA methylation dynamics at enhancers in IDH mutant AML cells

Virtual # 11 Elisabeth Wilson Washington University in St. Louis

MD/PhD Trainees

The Role of BCL2 Mediated Calcium Signaling on Leukemia Stem Cell Metabolism and Function # 24

Anagha Inguva University of Colorado, School of Medicine

The mitochondrial fusion protein Opa1 is essential for KRas-mutant lung adenocarcinoma development # 23

Dane T Sessions University of Virginia School of Medicine

Postdoctoral Fellows

Differential immunomodulatory Effect of PARP Inhibition in BRCA1 deficient and competent tumor cells #25

Isabel Alvarado University of Arizona

Visualization of lung tumor microenvironmental glycogen by MALDI-mass spectrometry imaging # 11

Lindsey Conroy University of Kentucky Markey Cancer Center

More Than A Billion: Cancer-free People are Riddled with Oncogenic Mutations # 14

Edward Evans University of Colorado Anschutz Medical Campus

Acetylation-mediated histone tail accessibility governs the read-write mechanism of H3K4 # 3

Kanishk Jain University of North Carolina at Chapel Hill

Adenosinergic Signaling as a Novel Target for Viral Lymphomas

Virtual # 7 Phil Lange University of North Carolina at Chapel Hill

Characterization of lung adenocarcinomas from histological images by a convolutional neural network # 22

John Lockhart Moffitt Cancer Center

A stochastic model of cell fate decision explains tolerance to EGFR inhibition by substrate # 6

stiffness-induced transitions to a fast-dividing state

Austin Oleskie Vanderbilt University

Targeting Galectin 1 Treats Hepatocellular Carcinoma in Mouse Models

Virtual # 10 Tahereh Setayesh University of California-Davis

Examining the Role of Non-Canonical Wnt Signaling in Pancreatic Cancer # 15

Payton D Stevens Van Andel Institute

Intronic Architecture Links DNA Methylation to Gene Expression and Helps Drive Subtype-Specific Transcriptional # 5

Landscapes in DNMT3A- And IDH1/2-Mutant Acute Myeloid Leukemias (AML)

Aristeidis G. Telonis University of Miami

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