

Poster Abstracts

Graduate Trainees

- Methylation of PP2A and its Role in Methionine Dependence of Cancer – #5** Anna Andronicos, University of California, Irvine
- MAGE-A4 induces lung adenocarcinoma via accumulation of immunosuppressive plasma cells – #35** Dominique Armstrong, Baylor College of Medicine
- Angiopoietin-like 4 increases cancer cell resistance to chemotherapy through enhanced HR-mediated DNA damage repair – #38** Emmanuel Bredu Asiedu, University of Maryland Baltimore
- Combined Single-Cell Transcriptomics and Mitochondrial Lineage Tracing Identify IL-6 Signaling Responses in TET2 CHIP – #49** Pawan Bhat, Vanderbilt University
- Clec4f is expressed in a subset of primary PDAC cells and confers invasive behavior – #36** Bailey Bye, University of Kansas Medical Center
- PIM Kinase Alters the Prostate Tumor Immune Microenvironment - #39** Amber Clements, Univ. of Arizona
- ASCT2 is the primary serine transporter in cancer cells – #43** Kelly Conger, University of Illinois Chicago
- Overexpression of TSG101 causes mammary tumors with high Wnt and inflammatory cytokine signaling gene expression signatures – #23** Rayane Dennaoui, Wayne State University School of Medicine
- Advancing Chimeric Antigen Receptor (CAR) T Cell Therapy for Pancreatic Ductal Adenocarcinoma (PDAC): Leveraging CD26+CD4+ T Cells and Duvelisib Conditioning to Improve Mesothelin-Directed CAR Efficacy – #11** Delaney Geitgey, Emory University/Winship Cancer Institute
- Mitochondrial metabolism is a therapeutic liability in aggressive non-small cell lung cancer – #21** Nia Hammond, University of Chicago
- Characterizing DNA repair defects in XPD mutant cells - #2** Allyson Hoag, University of New Mexico
- Identification and characterization of novel transcribed ultra-conserved regions as long non-coding RNAs in medulloblastoma – #14** Kadie Hudson, University of Virginia
- Patient Derived Organoids as a Model to Study Estrogen Mediated Endometrial Cancer – #34** Breanna Jeffcoat, University of North Carolina Chapel Hill
- Immune related vulnerabilities of non-neuroendocrine small cell lung cancer – #26** Ryan Kowash, UT Southwestern Medical Center
- Multimodal gene delivery platform for versatile combination cancer therapies – #24** Rebecca Lee, University of California Irvine
- DNA Methylation Profiling of Early-Onset Colorectal Cancer in Underrepresented Populations – #37** Jason Sheng Li, University of California, Irvine
- The Serine/Threonine Kinase HASPIN is a Novel Dependency and Splicing Regulator in t(8;21) AML – #46** Mengdan Liu, University of California, San Diego
- Characterizing cancer specific intracellular pH dynamics during tumor microenvironment stiffening and metastasis – #17** Leah Lund, University of Notre Dame
- Defining the role of FANCA in breast cancer development – #18** Liang Luo, University of Miami Miller SOM
- The Role of Astrocyte Elevated Gene-1/Metadherin (AEG-1/MTDH) In Chemotherapy-Induced Peripheral Neuropathy – #44** Bryan Mckiver, Virginia Commonwealth University
- Investigating the role of adipocytes in tungsten mediated breast cancer metastasis to the bone using orthotopic mouse models – #33** Charlotte McVeigh, University of New Mexico
- Defined bacterial consortium highlight the impact of bacteria in intestinal DNA methylation and tumorigenesis – #9** Claudia Mercado-Rodriguez, University of Florida Health Cancer Center
- Defining the Role of PLK1 in Regulating Proteostasis Using Colorectal Cancer Cell Models – #27** Ryan Mouery, University of North Carolina at Chapel Hill

Translational Control of FLT3-mutated AML Cell Survival – #40 Daniela Renee Ortiz Chavez, University of Colorado Anschutz Medical Campus

Small intestinal metabolic fitness reduces hepatic steatosis vulnerability – #10 Cuauhtemoc Ramirez, University of California, Irvine

Pericyte-like mimicry and migration of melanoma cells during invasion in the brain – #42 Caroline Riedstra, University of Virginia

Investigating Aberrant AREG-EGFR Signaling in LKB1-Inactivated Lung Cancer – #31 Xzavier Solone, University of Florida

Mitochondrial Fatty Acid Synthesis Gene Mecn Regulates CD4+ and CD8+ T Cell Function – #16 KayLee Steiner, Vanderbilt University

Investigating differential metastatic signaling of protease activated receptor-2 (PAR-2) via matriptase and testisin – #48 Amando Strong, University of Maryland Baltimore

A Biotin Targeting Chimera (BioTAC) System to Map Small Molecule Interactomes in situ – #4 Andrew Tao, University of California, San Diego

Ceramidase Inhibitor LCL-805 Inhibits Akt Signaling and Promotes Iron-Dependent Cell Death in Acute Myeloid Leukemia – #41 Johnson Ung, University of Virginia School of Medicine

Stearoyl-CoA Desaturase: A key modulator of adipocyte-driven stress pathways supporting survival of metastatic prostate cancer in bone – #1 Alexis Wilson, Wayne State University

Postdoctoral Fellows

Dissecting the TCR/CD28/PD-1 signaling axis using single molecule pull-down (SiMPull) – #12 Elizabeth Bailey, University of New Mexico

Establishing a models to study the role of pregnancy hormones in gestational breast cancer composition and metastasis – #47 Mackenzie Callaway, Cold Spring Harbor Laboratory

STAT3 stimulated expression of Integrin $\alpha\beta3$ is a critical effector for STAT3 mediated tumor initiation and progression - #45 Alejandro D. Campos, University of California, San Diego

Oncogenic function of the uncharacterized testis kinase TSSK6 – #20 Magdalena Delgado, UT Southwestern

Multiple pathways link surface CD98 expression to antibody secretion and longevity in plasma cells – #19 Lucas J D'Souza, University of Arizona

Investigating the role of AR-V7 in MAP3K7/CHD1 co-loss prostate cancer – #8 Claire Gillette, University of Colorado Anschutz Medical Campus

The Proteogenomics of Prostate Cancer Radioresistance – #25 Roni Haas, University of California, Los Angeles

Mechanisms of liver cancer and circadian disruption caused by loss of Ras/MAPK and NF-kB pathways – #32 Kaisa Hanley, University of California San Diego

Establishing an innovative inducible knock-in of the Kmt2a-AF9 leukemic model in zebrafish – #3 Amber Ide, Van Andel Institute

Targeting SPTLC3 to Inhibit Glioblastoma Proliferation through Sphingolipid Modulation – #6 Anna Kovilakath, Virginia Commonwealth University

Targeted modulation of TP53 expression with a small molecule epigenetic modifier & CRISPR/Cas9 to induce apoptosis – #30 Travis Nelson, University of North Carolina at Chapel Hill

Outcomes of the Markey STRONG Scholars Program in Increasing Diversity in Cancer Research and Health Science Careers – #7 Brittany Rice, University of Kentucky

Mitochondrial fission, a dynamic driver of breast cancer metastasis – #13 Hannah Savage, Univ. of California Irvine

Inhibition of sirtuins for the treatment of diffuse intrinsic pontine gliomas – #28 Shane Solst, Univ. of Iowa

Characterization of polymorphic mitochondrial tRNA fragments that correlate with severity of metastasis – #15 Katy L Swancutt, University of Kansas Medical Center

Elucidating Dipeptidyl Peptidase 4 (DPP-4) Mediated Immunosuppression in Glioblastoma – #22 Oriana Teran Pumar, University of Miami

Deciphering the role of AMPK in pancreatic cancer – #29 Shira Yomtoubian, Salk Institute for Biological Studies