

O'NEAL COMPREHENSIVE CANCER CENTER



THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Annual Research Retreat

Regions Field

October 13, 2023

Program Agenda

7:30 – 8:20 am	Arrival, Registration, and Breakfast
8:20 – 8:30 am	Opening Remarks Barry Sleckman, MD, PhD
<i>Personalized Medicine and Cancer Care</i>	
8:30 – 8:42am	HDAC7 promotes renal cancer progression by reprogramming BCAA metabolism Hyeyoung Nam, PhD
8:42 – 8:54am	The financial cost of cancer clinical trial participation Luqin Deng, PhD
8:54 – 9:06am	PharmAlchemy: A Comprehensive Knowledge Base of Mining Gene-Drug-Disease Relationships Kevin Song, BS, MS
9:10 – 10:00 am	Poster Session 1
<i>Preclinical Imaging</i>	
10:00 – 10:12am	Development of novel ⁸⁹ Zr-labeled anti-human CD68 Fabs as pan-macrophage ImmunoPET biomarkers Catesby Mallard, BS
10:12 – 10:24am	Advanced CD8 ImmunoPET imaging predicts radiation response in primary TNBC Patrick Song, BS
10:24 – 10:36am	Preclinical imaging and therapy of prostate cancer with [⁴³ Sc]PSMA-617 and [⁴⁷ Sc]PSMA-617 Shelbie Cingoranelli, BS
10:40 – 10:50 am	Break
10:50 – 11:50 am	Keynote Address: Theranostics: Translating concepts into patients Jason Lewis, PhD
11:50 – 12:00 pm	Questions and Answers
12:00 – 12:40pm	Lunch

12:40 – 1:30 pm Poster Session 2

Immunotherapy

The role of *COX4I1* in mediating oncolytic herpes simplex virus-1 efficacy in high-grade glioma
1:30 – 1:42pm **Sam Gary, BS**

Tumor-collagen targeted IL-12 Immunotherapy for Glioblastoma
1:42 – 1:54pm **Opeyemi Iwaloye, BS, MS**

JNK signaling limits the durability of CAR-T cell effector function
1:54 – 2:06pm **Charles Kuhlmann, BS**

2:10 – 2:20 pm Break

Cancer Therapeutics

PTP1b Inhibition Rescues Macrophage Response to Melanoma DAMPs During Chemotherapy
2:20 – 2:34 pm **Nestor Prieto- Dominguez, PhD**

Dexamethasone Treatment Modifies Human Gut Microbiota in a Humanized Microbiome Mouse Model
2:34 – 2:46pm **Olivia Backan, BS candidate**

Targeting Immune Checkpoint Interactions and Sphingolipid Metabolism in Patient Tissue Derived Non-Small Cell Lung Tumor Models
2:46 – 2:58pm **Katelynn Murry, BS candidate**

3:00 – 3:10 pm Break

Awards Ceremony
3:10 – 3:45 pm **Lalita Shevde-Samant, PhD** and **Barry Sleckman, MD, PhD**

Closing Remarks
3:45 – 4:00 pm **Barry Sleckman, MD, PhD**

4:00 – 5:00 pm Reception and Games