

CINCINNATI CANCER RESEARCH RETREAT 2019

PROGRAM

November 14th, 2019,
Vontz Center, Rieveschl Auditorium

7:30-8:00 Continental Breakfast

8:00-8:30 **WELCOME**

Maria F. Czyzyk-Krzeska, Department of Cancer Biology

Jun-Lin Guan, Chair, Department of Cancer Biology

Pier Paolo Scaglioni, Chief, Division of Hematology & Oncology

Andrew T. Filak, Dean, UC College of Medicine

Session I **Chairs: Dave Plas and Krushna Patra**

8:30-9:10 **Jared Rutter**, Department of Biochemistry, University of Utah School of Medicine
Mitochondria, Metabolism and Cellular Decisions

9:10-9:35 **Pier Paolo Scaglioni**, Department of Hematology & Oncology, University of Cincinnati
FASN Imposes a Targetable Metabolic Dependency on Mutant KRAS Lung Cancer

9:35-10:00 **Maria Czyzyk-Krzeska**, Department of Cancer Biology, University of Cincinnati
Landscape of Metabolic Subtype of Clear Cell Renal Cell Carcinoma From Tobacco Smokers

10:00-10:15 **Coffee Break**

10:15-10:55 **Roberto Zoncu**, Department of Biochemistry, Biophysics and Structural Biology, University of California, Berkeley
The Lysosome in Nutrient Sensing and Cellular Growth Control

10:55-11:20 **Atsuo Sasaki**, Department of Biochemistry, University of Cincinnati
Role of GTP-Energy Metabolism in Cell Functions and Cancers

11:20-11:45 **Tom Cunningham**, Department of Cancer Biology, University of Cincinnati
PRPS Enzymes: Linchpins of Nucleotide Synthesis and Vehicles for Dissecting Cancer Cell Metabolism

11:45-1:00 **Lunch & poster viewing (posters 1-13)**

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Session II: Chairs: Tom Cunningham and Atsuo Sasaki

- 1:00-1:40 **Estela Jacinto**, Department of Biochemistry & Molecular Biology, Rutgers – Robert Wood Johnson Medical School
mTORC2 and the Hexosamine Pathway in T Cell Development and Lymphoma
- 1:40-1:55 **Layne Weatherford**, University of Cincinnati, Department of Hematology & Oncology (Short Talk)
LSD1 Inhibition Sensitizes Sinonasal Squamous Cell Carcinoma Cells to Cisplatin
- 1:55-2:10 **Syn Yeo**, Department of Cancer Biology, University of Cincinnati (Short Talk)
Regulation of Immune Checkpoint Blockade Efficacy in Breast Cancer by FIP200: A Canonical-Autophagy-Independent Function
- 2:10-2:50 **Dealiang Guo**, Department of Radiation Oncology, The Ohio State University
Lipid Metabolism Reprogramming in Malignancy, from De Novo Synthesis to Storage
- 2:50-3:05 *Coffee Break*
- 3:05-3:30 **Krushna Patra**, Department of Cancer Biology, University of Cincinnati
Oncogenic cAMP Signaling Network Reprograms Lipid Metabolism and Drives Pancreatic Cancer.
- 3:30-3:55 **Chenran Wang**, Department of Cancer Biology, University of Cincinnati
Autophagy Mediated Lipid Catabolism Facilitates Glioblastoma Progression to Overcome Bioenergetic Crisis.
- 3:55-4:20 **Biplab Dasgupta**, Division of Oncology, Cincinnati Children's Hospital Medical Center
The Dichotomy of AMPK – mTOR Metabolic Signaling in Mammalian Tissues
- 4:20-4:45 **David Plas**, Department of Cancer Biology, University of Cincinnati
Signal Transduction Control of Metabolism and Survival in PTEN-deficient Glioblastoma
- 4:45-6:00 *Happy Hour reception & poster viewing (posters 14-27)*

Invited speakers: 40 min total (35 + 5)

Local faculty: 25 min total (20 + 5)

Short talks: 15 min total (10 + 5)