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)