

University of Cincinnati Cancer Center
Sub-Cellular Dynamics in Cancer Symposium

Friday, October 14, 2022

- 8:30 AM** **Registration & Continental Breakfast**
- 9:00 AM** **Welcome and Introductory Remarks**
Jun-Lin Guan, PhD *Professor and Department Chair, Cancer Biology, University of Cincinnati College of Medicine*
- Pier Paolo Scaglioni, MD** *Professor and Division Chief, Hematology Oncology, University of Cincinnati College of Medicine*
- Andrew T. Filak, MD** *Dean, University of Cincinnati College of Medicine*
- SESSION I (Chair Dr. Diao)**
- 9:10 AM** **"Identifying Metabolic Dependencies in Pancreatic Cancer"**
Alec C. Kimmelman, MD, PhD *Professor and Department Chair, Radiation Oncology, New York University*
- 9:50 AM** **"Human Organoids for Precision Hepatology"**
Internal Speaker: *Takanori Takebe, MD, PhD, Associate Professor, CCHMC*
- 10:10 AM** **"Illuminating the Biochemical Activity Architecture of the Cell"**
Jin Zhang, PhD *Professor and Department Vice Chair, Pharmacology, Professor, Chemistry and Biochemistry, Professor, Bioengineering, University of California, San Diego*
- 10:50 AM** **BREAK**
- 11:05 AM** **"Development of New Organic Fluorescent Probes for Super-Resolution Imaging Studies"**
Internal Speaker: *Yujie Sun, PhD, Associate Professor, Chemistry, University of Cincinnati College of Medicine*
- 11:25 AM** **"Optogenetic control of sub-cellular dynamics"**
Internal Speaker: *Jiajie Diao, PhD, Associate Professor, Cancer Biology, University of Cincinnati College of Medicine*
- 11:45 PM** **"Autophagy in astrocyte supports breast cancer to brain metastasis"**
Internal Speaker: *Chenran Wang, PhD, Assistant Professor, Cancer Biology, University of Cincinnati College of Medicine*
- 12:05 PM** **LUNCH**

SESSION II (Chair Dr. Sasaki)

- 1:15 PM** **"Cellular communication via extracellular vesicles in cancer"**
Alissa M. Weaver, MD, PhD *Cornelius Vanderbilt Professor of Cell and Developmental Biology, Vanderbilt University*
- 1:55 PM** **"Phase Separation of ARGLU1 in Transcription and UV-induced Nucleotide Excision Repair"**
Internal Speaker: *Chunmiao Cai, PhD, Postdoc fellow, Cancer Biology, University of Cincinnati College of Medicine*
- 2:15 PM** **"Non-catalytic allostery in α -TAT1 regulates cancer phenotypes"**
Takanari Inoue, PhD *Professor, Cell Biology, Johns Hopkins University School of Medicine*
- 2:55 PM** **BREAK**
- 3:10 PM** **"The GTP Resilience—How tumor cells regulate sub-cellular dynamics for stress resilient cell growth"**
Internal Speaker: *Atsuo Sasaki, PhD, Associate Professor, Hematology Oncology, University of Cincinnati College of Medicine*
- 3:30 PM** **"*In vivo* CRISPR knockout screen of autophagy-related genes for factors regulating breast cancer lung metastasis"**
Internal Speaker: *Mingang Hao, PhD, Research Scientist, Cancer Biology, University of Cincinnati College of Medicine*
- 3:50 PM** **"Induction of mitochondrial metabolic activity and repression of antigen presentation underlie progression of localized clear cell renal cell carcinoma"**
Internal Speaker: *Behrouz Shamsaei, PhD, Postdoc fellow, Environmental and Public Health Sciences, University of Cincinnati College of Medicine*
- 4:10 PM** **Abstract Presentation** (2 min for each poster, 15 posters)
Moderator: *Vladimir Bogdanov, PhD, Associate Professor, Hematology-Oncology, University of Cincinnati College of Medicine*
- 4:40 PM** **Closing Remarks – Dr. Bogdanov**
- 4:45 PM** **Symposium Adjourns**
- 4:45 – 6:00 PM** **Poster Exhibition & Cocktail Reception**