Virtual Crash Course
Cancer Immunology and Metabolism

Wednesday, December 7th 2022
1:00-5:15 PM EST

Registration: go.rutgers.edu/zw30e8yh
Participation is free but registration is required. The Zoom link for this Course will be emailed only to registered participants.

CO-CHAIRS
Stephen K. Burley, M.D., D.Phil.
Christian S. Hinrichs, M.D.
Edmund C. Lattime, Ph.D.
Wei-Xing Zong, Ph.D.

SHOWCASING
Duncan and Nancy MacMillan Center of Excellence, Cancer Immunology and Metabolism, Rutgers Cancer Institute of New Jersey (co-led by Eileen White and Christian Hinrichs) and Ludwig Princeton Branch, Ludwig Institute for Cancer Research, Princeton University (co-led by Joshua Rabinowitz and Eileen White)

QUESTIONS
Contact Michelle Sanghera
msanghera@iqb.rutgers.edu

SPONSORS
Rutgers Institute for Quantitative Biomedicine, Rutgers Cancer Institute of New Jersey, Ludwig Cancer Research, and Princeton University

PROGRAM
1:00–1:05 PM Welcome
Stephen K. Burley, M.D., D.Phil. - Rutgers Institute for Quantitative Biomedicine
1:05–1:10 PM Introduction
Steven K. Libutti, M.D. - Rutgers Cancer Institute of New Jersey
1:10–1:15 PM Crash Course Objectives
Edmund C. Lattime, Ph.D. - Rutgers Cancer Institute of New Jersey
1:15–1:45 PM ATP Metabolism in Tumors and T Cells
Joshua Rabinowitz, M.D., Ph.D. - Princeton University and Ludwig Princeton Branch, Ludwig Institute for Cancer Research
1:45–2:15 PM Protective Immunity in Ovarian Cancer is Governed by T Cell-intrinsic Mitochondrial Stress Responses
Kyle K. Payne, Ph.D. - Rutgers Cancer Institute of New Jersey
2:15–2:45 PM Role of Autophagy in KRAS-driven Lung Cancer
Jessie Yangxiang Guo, Ph.D. - Rutgers Cancer Institute of New Jersey
2:45–3:00 PM Break
3:00–3:30 PM Inflammation, Metabolism and Cancer
Eileen White, Ph.D. - Rutgers Cancer Institute of New Jersey and Ludwig Princeton Branch, Ludwig Institute for Cancer Research
3:30–4:00 PM The Nitrogen Side of Cancer Metabolism
Wei-Xing Zong, Ph.D. - Rutgers Cancer Institute of New Jersey and Ernest Mario School of Pharmacy
4:00–4:30 PM Targeting Cancer Fitness Genes to Enhance the Efficacy of Immunotherapy in Metastatic Cancers
Yibin Kang, Ph.D. - Princeton University and Ludwig Princeton Branch, Ludwig Institute for Cancer Research
4:30–5:00 PM Immune Cell Therapy for Epithelial Cancers
Christian S. Hinrichs, M.D. - Rutgers Cancer Institute of New Jersey
5:00–5:15 PM Closing Remarks and Acknowledgments
Stephen K. Burley, M.D., D.Phil.