SUNDAY, JANUARY 16
Arrival and Registration

MONDAY, JANUARY 17
Welcome and Keynote Address (Joint)
David M. Sabatini, Whitehead Institute for Biomedical Research, USA
Regulation of Nutrient Sensing in Cancer

Metabolic Regulation of the Anti-Cancer Immune Response (Joint)
Jeffrey C. Rathmell, Vanderbilt University, USA
T Cell Metabolism and the Tumor Microenvironment
Erika L. Pearce, Johns Hopkins University, USA
Metabolic Regulation of Immune Cells in Cancer
Lydia Lynch, Harvard Medical School, USA
Interplay between Obesity, Immune Cells, and Cancer
Marcia C. Haigis, Harvard Medical School, USA
Nutrient Competition between Immune Cells and Cancer Cells
Short Talk(s) Chosen from Abstracts

Workshop 1 (J1)
Short Talks Chosen from Abstracts

Workshop 1 (J2)
Short Talks Chosen from Abstracts

Metabolic Reprogramming in Tumor Microenvironment and Immunotherapy (J1)
Susan M. Kaech, The Salk Institute, USA
ChREBP, a Master Switch Linking Glucose and Lipid Metabolism and Diet
Giuseppe Matarese, Università degli Studi di Napoli Federico II, Italy
Systemic Metabolism, Leptin and Tregs
Russell G. Jones, Van Andel Research Institute, USA
In vivo Immunometabolism
Ananda W. Goldrath, University of California, San Diego, USA
Immunometabolism in Cancer
Short Talk(s) Chosen from Abstracts

Poster Session 1

TUESDAY, JANUARY 18
Amino Acid Metabolism and Nutrient Balance (Joint)
Craig B. Thompson, Memorial Sloan Kettering Cancer Center, USA
Identifying Metabolic Limitations in Cancer
Karen H. Vousden, Francis Crick Institute, UK
Serine Metabolism and Cancer Development
Matthew G. Vander Heiden, Massachusetts Institute of Technology, USA
Metabolic Interactions between Cancer and Host
Hongbo Chi, St. Jude Children's Research Hospital, USA
Nutrient Sensing and Signaling in Immune Function
Short Talk(s) Chosen from Abstracts

Meet the Editors (Joint)
Microbial Metabolites, Nutrients and Cancer (J1)
Dan R. Littman, HHMI/New York University School of Medicine, USA
Host and Microbial Metabolites in Th17 Immunity
Janelle S. Ayres, The Salk Institute for Biological Studies, USA
Microbiota Metabolites in Health and Disease
Mark A. Febbraio, Monash Institute of Pharmaceutical Sciences, Australia
Role of the Gut Liver Axis in NASH Driven Cancer
Short Talk(s) Chosen from Abstracts

Metabolic Control of Differentiation and Immune Escape (J2)
Lydia Finley, Memorial Sloan Kettering Cancer Center, USA
Metabolism, Epigenetics and Cancer
Jared Rutter, University of Utah, USA
Pyruvate Metabolism and Cellular Decisions
Alec Kimmelman, New York University Langone Medical Center, USA
Metabolic Control of Immune Tolerance in Cancer
Short Talk(s) Chosen from Abstracts

Poster Session 2

WEDNESDAY, JANUARY 19
Nutrition, Weight and Bugs (J1)
Catherine Postic, INSERM Institut Cochin, France
ChREBP, a Master Switch Linking Glucose and Lipid Metabolism and Diet
Giuseppe Matarese, Università degli Studi di Napoli Federico II, Italy
Systemic Metabolism, Leptin and Tregs
Russell G. Jones, Van Andel Research Institute, USA
In vivo Immunometabolism
Ananda W. Goldrath, University of California, San Diego, USA
Immunometabolism in Cancer
Short Talk(s) Chosen from Abstracts

* Session Chair † Invited but not yet accepted     Program current as of May 5, 2021. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
Redox Metabolism (J2)
Gina DeNicola, Moffitt Cancer Center, USA
Talk Title to be Announced

Navdeep S. Chandel, Northwestern University, USA
Mitochondrial Metabolism in Cancer

Donita C. Brady, University of Pennsylvania, USA
Talk Title to be Announced

Thales Papagiannakopoulos, New York University School of Medicine, USA
KEAP1/NRF2 Pathway in Cancer

Short Talk(s) Chosen from Abstracts

Tumor Interaction with Host and Microbes (Joint)
Yasmine Belkaid, NIAID, National Institutes of Health, USA
Nutritional Control of Immunity

Eileen P. White, Rutgers Cancer Institute of New Jersey, USA
Immune Response Regulation by Autophagy in Cancer

Joshua D. Rabinowitz, Princeton University, USA
NADPH and Fat Sources in Tissues and Tumors

Short Talk(s) Chosen from Abstracts

Poster Session 3

THURSDAY, JANUARY 20

High-Fat Diet, Lipids and Cancer (J1)
Salvador Aznar Benitah, ICREA and Institute for Research in Biomedicine, Spain
Targeting Metastasis through Lipid Metabolism

Rachel J. Perry, Yale University, USA
Breaking the Link between Obesity and Cancer

Weiping Zou, University of Michigan, USA
Improving Metabolic Responses to Immunotherapy

Semir Beyaz, Cold Spring Harbor Laboratory, USA
Dietary Control of Tumor Metabolism

Short Talk(s) Chosen from Abstracts

Targeting Metabolism (J2)
Ralph J. DeBerardinis, University of Texas Southwestern Medical Center, USA
Metabolic Dependencies in Tumors in Humans

Maria Yuneva, Francis Crick Institute, UK
Identifying Metabolic Vulnerabilities and Flexibilities of Tumours

Ayelet Erez, Weizmann Institute of Science, Israel
Targeting the Urea Cycle

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

Workshop 2 (J1)

Workshop 2 (J2)

Frontiers in Immunometabolism (J1)
Donal Brennan, University College Dublin, Ireland
Intentional Weight Loss to Treat Cancer

Ido Amit, Weizmann Institute, Israel
Talk Title to be Announced

Luke A. J. O’Neill, Trinity Biomedical Sciences Institute, Ireland
Warburg and Mitochondrial Metabolism in Inflammation

Short Talk(s) Chosen from Abstracts

Metabolic Vulnerabilities (J2)
Kivanc Birsoy, Rockefeller University, USA
Metabolic Dependencies of Cancer Cells in vivo

Heather Christofk, University of California, Los Angeles, USA
Metabolic Transitions in Cancer

Roberto Zoncu, University of California, Berkeley, USA
Regulation of Cancer Metabolism by the Lysosome

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J1)
Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J2)

FRIDAY, JANUARY 21

Departure