Registration will open at 7:00 a.m. on Thursday, October 5, 2017.

Thursday, October 5, 2017

8:00 a.m.
Symposia Opening and Welcome
Helen Piwnica-Worms, PhD

8:15
Keynote Lecture
Introduction:
Helen Piwnica-Worms, PhD
Mitochondrial Regulation of Cancer and Immunity
Naveep S. Chandel, PhD
Northwestern University
Chicago, Illinois

SESSION I: METABOLISM AND TUMOR MICROENVIRONMENT

Session Chair: Valerie LeBleu, PhD

9:15
Introduction
Valerie LeBleu, PhD

9:20
Fueling T cells in Inflammation and Cancer
Jeffrey C. Rathmell, PhD
Vanderbilt University Medical Center
Nashville, Tennessee

9:50 Break

10:05
Identifying Metabolic Dependencies in Pancreatic Cancer
Alec C. Kimmelman, MD, PhD
Perlmutter Cancer Center, NYU Langone Medical Center
New York, New York

10:35
mTOR Signaling and Metabolic Control of T cell Fate Decisions
Hongbo Chi, PhD
St. Jude Children’s Research Hospital
Memphis, Tennessee
Thursday, October 5, 2017 (continued)

SESSION II: TRANSLATIONAL AND IMAGING

Session Chair: Pratip K. Bhattacharya, PhD

11:05
Introduction
Pratip K. Bhattacharya, PhD

11:10
PI3K and Cancer Metabolism
Lewis C. Cantley, PhD
Weill Cornell Medicine
New York, New York

11:40
Assessing Tumor Metabolism in vivo
Ralph J. Deberardinis, MD, PhD
University of Texas – Southwestern Medical Center
Dallas, Texas

12:10 p.m.
Imaging Cancer Heterogeneity and Therapy Failure
Erik Sahai, PhD
The Francis Crick Institute
London, United Kingdom

12:40 Lunch/Poster Session

SESSION II: BIOENERGETICS

Session Chair: Joya Chandra, PhD

2:10
Introduction
Joya Chandra, PhD

2:15
Mitochondrial Parts, Pathways, and Pathogenesis
Vamsi K. Mootha, MD
Harvard Medical School
Boston, Massachusetts

2:45
Effects of Weight Loss and Exercise on Cancer Biomarkers
Anne McTiernan, MD, PhD
Fred Hutchinson Cancer Research Center
Seattle, Washington

3:15
Preservation of Lean Mass in Cancer Patients
Cynthia A. Thomson, PhD, RD
The University of Arizona Cancer Center
Tucson, Arizona
Thursday, October 5, 2017 (continued)

3:30  Abstract Oral Presentation
3:45  Break
4:00  Ernst W. Bertner Award Lecture and Presentation
      Introduction: Sharon Y. R. Dent, PhD

      How Cancer Cells Decide What to Eat?
      Craig B. Thompson, MD
      Memorial Sloan Kettering Cancer Center
      New York, New York

5:00  Adjourn

Friday, October 6, 2017

9:00 a.m.  Keynote Lecture
      Introduction: David R. Piwnica-Worms, MD, PhD

      Imaging Tumor Metabolism With Hyperpolarized 13C-Labeled
      Cell Substrates
      Kevin F. Brindle, DPHIL
      University of Cambridge
      Cambridge, United Kingdom

SESSION IV: CANCER SIGNALING AND METABOLISM

      Session Chair: Xiaobing Shi, PhD

10:00  Introduction
      Xiaobing Shi, PhD

10:05  Metabolism, Epigenetics, and Tumorigenesis
      Kathryn E. Wellen, PhD
      The University of Pennsylvania, Perelman School of Medicine
      Philadelphia, Pennsylvania

10:35  Break

10:55  AMPK Pathway: Metabolic Rewiring and Therapeutic Windows
      Reuben J. Shaw, PhD
      The Salk Institute for Biological Studies
      Philadelphia, Pennsylvania
Oncometabolic Outcomes and Metabolic Vulnerabilities in TCA-truncated Tumors
Eyal Gottlieb, PhD
Israel Institute of Technology
Haifa, Israel

Oral Abstract Presentation

Lunch
Trainee Luncheon (by invite only)

Wilson Stone Award Presentation and Lecture
Introduction: Margarida Almeida Santos, PhD

Heath Award Lecture and Presentation
Introduction: Gordon B. Mills, MD, PhD

MYC and Metabolic Vulnerabilities of Cancer
Chi V. Dang, MD, PhD
University of Pennsylvania
Philadelphia, Pennsylvania

Closing Remarks
Giulio Draetta, MD, PhD

Adjourn