

Pennsylvania Muscle Institute Annual Retreat and Symposium 2023

“Celebrating 50 Years of Muscle, Motors, and the Cytoskeleton”

Monday, October 16, 2023

Location: BRB Gaulton Auditorium & Lobby, Biomedical Research Building (BRB II/III),
421 Curie Blvd., 1st Floor, Philadelphia, PA 19104

Sponsored by the Physiological Society of Philadelphia and the Pennsylvania Muscle Institute

- 8:30 – 9:00am **Registration Check-in, Poster Setup, Breakfast, Coffee**
Location: BRB Gaulton Auditorium & Lobby*
**Table seating available in BRB 14th Floor Lounge*
- 9:00 – 9:15am **Welcome**
E. Michael Ostap, PhD
Director, Pennsylvania Muscle Institute
Professor of Physiology
University of Pennsylvania
- Jonathan A. Epstein, MD**
Executive Vice Dean and Chief Scientific Officer, Perelman School of Medicine
at the University of Pennsylvania
Senior Vice President and Chief Scientific Officer, University of Pennsylvania
Health System
William Wikoff Smith Professor of Medicine (Cardiology) and Cell and
Developmental Biology
University of Pennsylvania
- 9:15 – 9:30am ***50 Years of Progress at the PMI***
E. Michael Ostap, PhD
Director, Pennsylvania Muscle Institute
Professor of Physiology
University of Pennsylvania
- 9:30 – 10:15am **Andrew P. Somlyo Honorary Lecture**
Jennifer Lippincott-Schwartz, PhD
Senior Group Leader and Head of Janelia's 4D Cellular Physiology, HHMI
Janelia Research Campus
*“How the cytoskeleton controls the structure and dynamics of the endoplasmic
reticulum”*
- 10:15 – 10:30am **Adam Fenton (Holzbaur and Jongens Labs)**
University of Pennsylvania
*“FMRP-associated protein synthesis locally determines mitochondrial
organization in neurons”*
- 10:30 – 11:00am **Coffee Break, Posters**
- 11:00 – 11:45am **Andrew P. Somlyo Honorary Lecture**
Andrew P. Carter, PhD
Investigator, MRC Laboratory of Molecular Biology
“Cargo transport by dynein/dynactin”

- 11:45am – 12:15pm **Roberto Dominguez, PhD**
 William Maul Measey Presidential Professor of Physiology,
 University of Pennsylvania
“Structural-Functional Mechanisms Controlling Actin Filament Barbed and Pointed End Dynamics”
- 12:30 – 1:30pm **Lunch, Posters**
 Location: BRB Lobby*
**Table seating available in BRB 14th Floor Lounge*
- 1:30 – 1:45pm **Xingyuan Fang (Svitkina Lab)**
 University of Pennsylvania
“Mechanism of branched actin assembly in microtubule- and APC-dependent manner”
- 1:45 – 2:00pm **Qing Tang, PhD (Lakadamyali Lab)**
 University of Pennsylvania
“Insight into cytoskeleton sorting from microtubule deetyrosination”
- 2:00 – 2:30pm **Hansell H. Stedman, MD**
 Professor of Surgery, University of Pennsylvania
“Gene Therapy for Inherited Muscle Disease: A Glimpse of the Summit Ridge from Everest Base Camp”
- 2:30 – 3:00pm **Coffee Break, Posters**
- 3:00 – 3:15pm **Jennifer Petrosino, PhD (Prosser Lab)**
 University of Pennsylvania
“The Hitchhiker’s Guide to the Myocyte: Active transport of tRNAs facilitates distributed protein synthesis”
- 3:15 – 3:45pm **Sharlene M. Day, MD**
 Presidential Associate Professor of Medicine & Director, Translational Research, Division of Cardiovascular Medicine
 University of Pennsylvania
“Mechanisms of Myosin Binding Protein C Mutations in Hypertrophic Cardiomyopathy”
- 3:45 – 4:00pm **Introduction: Jean and Joseph Sanger Lecture in Muscle Biology**
E. Michael Ostap, PhD
- 4:00 – 4:45pm **Jean and Joseph Sanger Lecture in Muscle Biology**
James A. Spudich, PhD
 Douglass M. and Nola Leishman Professor of Cardiovascular Disease, Stanford University
“Myosin, the exquisite nanomachine: From basic science to biotech to medicines”
- 4:45 – 5:45pm **Reception, Posters**
 Location: BRB Lobby
- 5:45 – 6:00pm **Farewell, Posters take-down**
 Location: BRB Lobby