

# Celebrating 50 Years Muscle, Motors, and the Cytoskeleton

October 16, 2023

Gaulton Auditorium and Lobby  
Biomedical Research Building (BRB II/III)  
421 Curie Blvd., 1st Floor

## Jean and Joseph Sanger Lecture in Muscle Biology:

**James A. Spudich, PhD**

Stanford University  
*"Myosin, the exquisite nanomachine: From basic science to biotech to medicines"*

## Andrew Somlyo Honorary Lectures:

**Jennifer Lippincott-Schwartz, PhD**

HHMI Janelia Research Campus  
*"How the cytoskeleton controls the structure and dynamics of the endoplasmic reticulum"*

**Andrew P. Carter, PhD**

MRC Laboratory of Molecular Biology  
*"Cargo transport by dynein/dynactin"*

## Penn Speakers:

**Sharlene M. Day, MD**

Division of Cardiovascular Medicine  
*"Mechanisms of Myosin Binding Protein C Mutations in Hypertrophic Cardiomyopathy"*

**Roberto Dominguez, PhD**

Department of Physiology  
*"Structural-Functional Mechanisms Controlling Actin Filament Barbed and Pointed End Dynamics"*

**Hansell H. Stedman, MD**

Department of Surgery  
*"Gene Therapy for Inherited Muscle Disease: A Glimpse of the Summit Ridge from Everest Base Camp"*

**Xingyuan Fang (Svitkina Lab)**

Department of Biology  
*"Mechanism of branched actin assembly in microtubule- and APC-dependent manner"*

**Adam Fenton (Holzbaur Lab)**

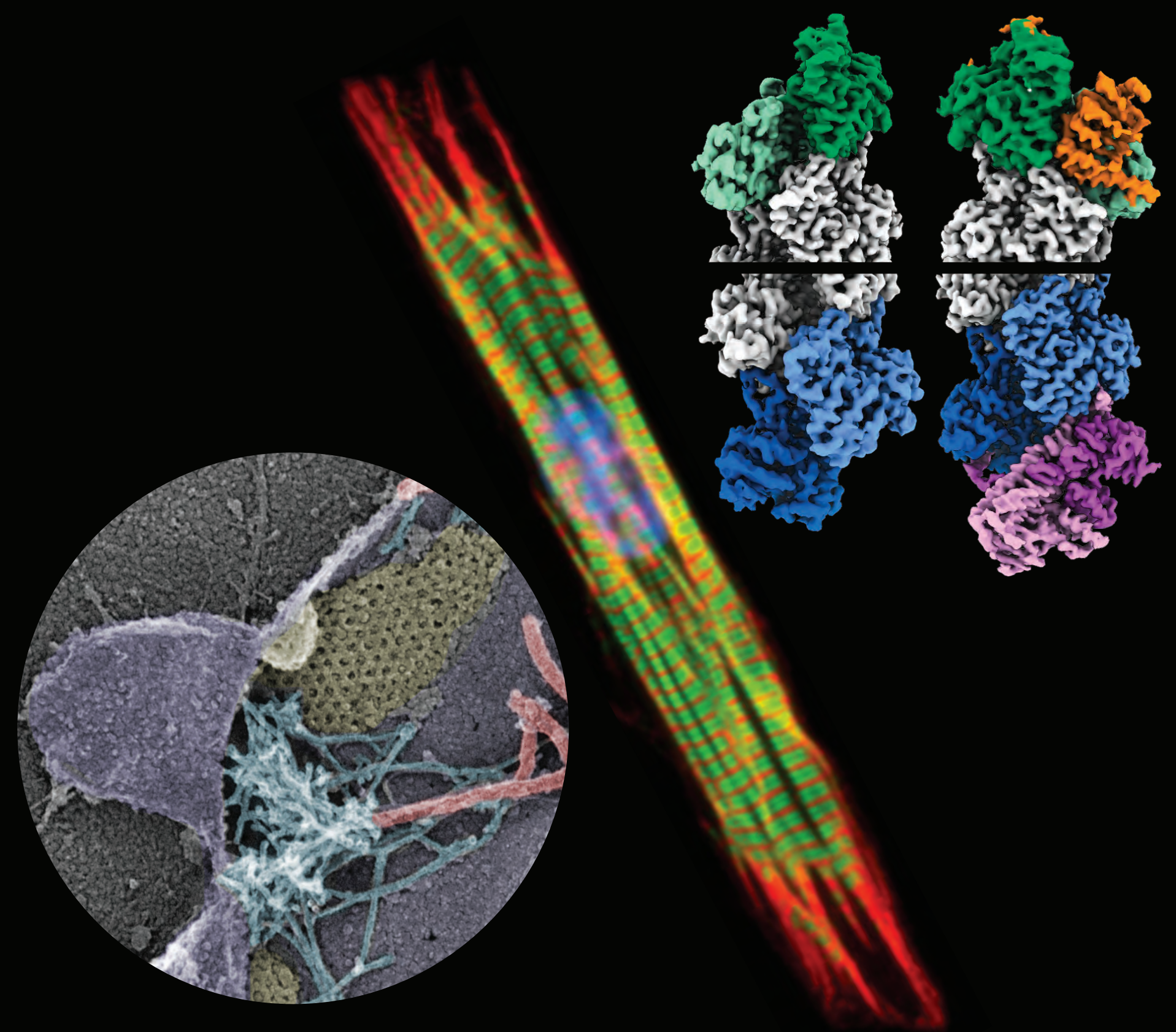
Department of Physiology  
*"FMRP-associated protein synthesis locally determines mitochondrial organization in neurons"*

**Jennifer Petrosino, PhD (Prosser Lab)**

Department of Physiology  
*"The Hitchhiker's Guide to the Myocyte: Active transport of tRNAs facilitates distributed protein synthesis"*

**Qing Tang, PhD (Lakadamyali Lab)**

Department of Physiology  
*"Insight into cytoskeleton sorting from microtubule detyrosination"*



Poster session for all attendees

Deadline for registration and abstract submission: **October 9, 2023**

**Registration:**  
**[www.med.upenn.edu/pmi](http://www.med.upenn.edu/pmi)**



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