SATURDAY, JANUARY 23
Arrival and Registration

SUNDAY, JANUARY 24
Welcome and Keynote Address
Pietro V. De Camilli, Yale University School of Medicine, USA
Liquid Protein Phases that Control Synaptic Vesicle Pools

Supplying Proteins to Dendrites and Axons
Erin M. Schuman, Max-Planck-Institut für Hirnforschung, Germany
Local Protein Phases that Control Synaptic Vesicle Pools
Kelsey C. Martin, University of California, Los Angeles, USA
Regulating Gene Expression to Store Long-Term Memories
Juan S. Bonifacino, National Institutes of Health, USA
Polarized Sorting of Somatodendritic and Axonal Proteins
Short Talks Chosen from Abstracts

Local Protein Destruction: Taking Out the Trash
Monica Driscoll, Rutgers University, USA
Novel Pathways for Clearing Neuronal Debris
Catherine Collins, University of Michigan, USA
Control of Axon Protein Levels
Erika L. F. Holzbaur, University of Pennsylvania, USA
Autophagy and Mitophagy in Neurons
Short Talks Chosen from Abstracts

MONDAY, JANUARY 25
Metabolic Rules in Neurons
Timothy A. Ryan, Weill Medical College of Cornell University, USA
New Rules of Synaptic Metabolism
Daniel Alfonso Colón-Ramos, Yale School of Medicine, USA
A Local Metabolon Supports Synapse Function
Heidi M. McBride, McGill University, Canada
Mitochondrial Signaling in Health and Disease
Gulcin Pekkurnaz, University of California, San Diego, USA
Metabolic and Mitochondrial Plasticity in Neurons
Short Talks Chosen from Abstracts

Axon Survival
Aaron DiAntonio, Washington University in St. Louis, USA
Axon Degeneration and How to Avoid It
Marc Hammarlund, Yale University School of Medicine, USA
Programmed Axon Survival
Yishi Jin, University of California, San Diego, USA
Neuronal Circuit Remodeling
Short Talks Chosen from Abstracts

TUESDAY, JANUARY 26
New Optical Technologies for Cracking Cell Biological Questions
James Zhe Liu, Janelia Research Campus, USA
Tagging and Tracking Endogenous Proteins in Neurons
Erik M. Jorgensen, University of Utah, USA
Frontiers in Correlative EM and Light Microscopy
Jennifer A. Lippincott-Schwartz, Howard Hughes Medical Institute - Janelia Farm, USA
New Microscopies for Peering Inside Neurons
Speaker to be Announced
Short Talks Chosen from Abstracts

Novel Microtubule Biology in Neurons
Antonina Roll-Mecak, DHHS/NIH/NINDS, USA
The Tubulin Code: How Cells Build Asymmetry into their Microtubule Arrays
Casper Hoogenraad, Genentech, Inc., USA
Cytoskeleton Remodeling and Neuronal Polarity
Kang Shen, Stanford University, USA
Microtubule Organization in Neurons
Short Talks Chosen from Abstracts

Lipid Homeostasis in Neuron and Neuronal Disease
Gilbert Di Paolo, Denali Therapeutics Inc., USA
Control of Microglial Lipid Metabolism by TREM2 and APOE
Thomas Clandinin, Stanford University, USA
Lipid Synthesis and Synaptic Vesicle Pools
Yasunori Saheki, Lee Kong Chian School of Medicine, Singapore
Lipid Shuttling between Organelles via SMP Containing Proteins
Short Talks Chosen from Abstracts

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

WEDNESDAY, JANUARY 27
Departure