SUNDAY, JANUARY 24
Arrival and Registration

MONDAY, JANUARY 25
Welcome and Keynote Address
Michael K. Rosen, University of Texas Southwestern Medical Center, USA
Organization and Regulation of Cell Biology by Liquid-Liquid Phase Separation
Mechanisms of Phase Separation
Petra Schwille, Max Planck Institute of Biochemistry, Germany
Application of Single-Molecule Fluorescence and Force Microscopy to Biomolecular Condensates
Christine D. Keating, Pennsylvania State University, USA
Simple Experimental Models for Intracellular Condensates: Functional Microenvironments Generated by Phase Coexistence in Polyelectrolyte Solutions
Carolyn A. Larabell, University of California, San Francisco, USA
Probing Biomolecular Condensates with Soft X-RayTomography
Hong Zhang, Chinese Academy of Sciences, China
Phase Separation Specifies Autophagic Degradation and Stress Adaptation of Protein Condensates
Short Talks Chosen from Abstracts

Molecular Grammar Underlying Biomolecular Condensation
Tanja Mittag, St. Jude Children’s Research Hospital, USA
Linking Sequence-Ensemble Relationships and Phase Separation of a Low Complexity Domain
Speaker to be Announced
Speaker to be Announced
Short Talks Chosen from Abstracts

Poster Session 1

TUESDAY, JANUARY 26
Structure and Function of RNP Condensates
Richard W. Kriwacki, St. Jude Children’s Research Hospital, USA
Nucleoli and Ribosome Biogenesis
Roy R. Parker, HHMI/University of Colorado, USA
RNP Granules in Health and Disease
Lucia Strader, Washington University in St. Louis, USA
Relationship between Transcription Factor Condensation and Nucleo-Cytoplasmic Partitioning
Karla M. Neugebauer, Yale University, USA
Nascent RNA and Organization of the Cell Nucleus
Short Talks Chosen from Abstracts

Keynote Address
Julie D. Forman-Kay, Hospital for Sick Children, Canada
Dynamic Protein Interaction Networks and New Structural Paradigms in Cell Biology

Functions of Large Biomolecular Condensate Networks
Jeffrey Woodruff, University of Texas Southwestern Medical Center, USA
Non-Dynamic Condensates Protect Oocytes from Aging
Sabine Petry, Princeton University, USA
Structure and Function of the Liquid Cytoskeleton
Thomas Misteli, NCI, National Institutes of Health, USA
Mitochondrial Matrix Organization
Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, JANUARY 27
Biomolecular Condensation and Disease
Miguel N. Rivera, Massachusetts General Hospital / Harvard Medical School, USA
Tumor-Specific Enhancer Activation by Prion-Like Domains
Dorothee Dormann, Ludwig-Maximilians-University of Munich, Germany
Mechanisms Controlling Phase Separation of Disease-Linked RNA-Binding Proteins
J. Paul Taylor, St. Jude Children’s Research Hospital, USA
Non-Degradative Ubiquitination Control of Condensation and Disease
Speaker to be Announced
Short Talks Chosen from Abstracts

New Biomolecular Condensate Systems
Pietro V. De Camilli, Yale University School of Medicine, USA
Organization of Pre-Synaptic Space
Mingjie Zhang, Hong Kong University of Science and Technology, Hong Kong
Phase Separation in Neuronal Synapses
Stephen W. Michnick, Université de Montréal, Canada
Control of Endocytosis
Short Talks Chosen from Abstracts

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

THURSDAY, JANUARY 28
Departure