

Biomolecular Condensates Symposium
October 16-17, Duke University
Fitzpatrick Center for Interdisciplinary Engineering Medicine and Applied
Sciences (FCIEMAS)
Schiciano Auditoriums A&B (1464 and 1466)

Monday, October 16

8-8:30 AM **Registration and coffee** FCIEMAS: Pre Function Lobby

8:30-8:45 AM **Welcome**

Session I Chair: **Lucia Strader**, Duke University

8:45-9:30 AM **Michael Rubinstein**, Duke University
Phase Separations in Polymer Solutions

9:30-10:15 AM **Robert Konrat**, University of Vienna, Austria
Computational and NMR Approaches for Studies of IDP Conformational Ensembles and their Relevance for Liquid-Liquid Phase Separation

10:15-10:30 AM **Jeffrey Allen**, Duke University
Phase Separation of NLP7 in the Plant Nitrogen Response

10:30-10:45 AM **Coffee break**

Session II Chair: **Amy Gladfelter**, Duke University

10:45-11:30 AM **Rohit Pappu**, Washington University in St. Louis
Emergent Consequences of Condensation

11:30-11:45 AM **Wilton Snead**, Duke University
Dissecting the Biochemical Network that Encodes Nuclear Paraspeckles

11:45 AM-12:30 PM **Edward Lemke**, Johannes Gutenberg University Mainz
Decoding Molecular Plasticity in the Dark Proteome

12:30 to 1:30 PM **Boxed lunch and posters** FCIEMAS: Pre Function Lobby

Session III Chair: Ashutosh Chilkoti, Duke University

1:30-2:15 PM Priya Bannerjee, University at Buffalo
Dynamics of Aging Biomolecular Condensates

2:15-2:45 PM Greg Wang, Duke University
The Role for Transcription Factor Phase Separation in Superenhancer Formation and Chromatin Looping

2:45-3:15 PM Ronit Freeman, UNC Chapel Hill
Lessons from Synthetic Engineering of Biomacromolecular Assemblies

3:15-3:30 PM Coffee break FCIEMAS: Pre Function Lobby

Session IV chair: Yifan Dai, Washington University

3:30-4:15 PM Jerelle Joseph, Princeton University
Accurate Simulations of Biomolecular Condensates

4:15-5:00 PM Julie Forman-Kay, Hospital for Sick Children and Univ. of Toronto
Impact of O-GlcNAc on Protein Phase Separation

5:00-6:30 PM Poster session and reception FCIEMAS: Pre Function Lobby

Tuesday, October 17

8:00-8:30 AM Coffee FCIEMAS: Pre Function Lobby

Session V Chair: Christine Roden, Duke University

8:30-9:15 AM Paolo Arosio, ETH Zurich
Interplay between Biomolecular Condensates and Amyloid Formation

9:15-10:00 AM Clifford Brangwynne, Princeton University
"(very) Complex Fluids: Form, Function, and Complexity in Biomolecular Condensates"

10:00-10:15 AM Farewell