

Elizabeth Komives, University of California, San Diego, Subgroup Chair

Intrinsically Disordered Proteins Subgroup 2015 Symposium

Saturday, February 7, 2015

Baltimore, Maryland

Intrinsically Disordered Proteins in their Cellular Settings

Organizers: Edward Lemke, EMBL, and Rohit Pappu, Washington University in St. Louis

10:00 AM Database Discussion
10:20 AM Subgroup Business Meeting
12:30 PM Welcome and Announcements
12:40 PM Introduction of Opening Keynote Speaker
12:45 PM Opening Keynote: Ashok Deniz, The Scripps Research Institute
Single-Molecule Biophysics of Intrinsic Protein Disorder

Session 1

1:25 PM Dariush Hinderberger, Martin Luther Universität Halle- Wittenberg, Germany
Cooperative Effects and Structural Dynamics in the Intrinsically Disordered Protein Osteopontin
1:55 PM John Bushweller, University of Virginia
Intrinsic Disorder, Epigenetics, and Leukemia- The MLL-AF9 Saga
2:25 PM Short talks by postdoctoral awardees:
Li Ou, Florida State University
The dock-and-coalesce mechanism for the association of intrinsically disordered WASP with the Cdc42 GTPase
Volodymyr V. Shvadchak, AMOLF, Netherlands
Fibril breaking accelerates α -synuclein fibrillization
2:55 PM Edward Lemke, European Molecular Biology Laboratory, Heidelberg, Germany
Decoding Protein Plasticity from Single Molecules to Large Complexes
3:20 PM Break

Session 2

3:45 PM Timothy Lohman, Washington University School of Medicine
Role of E. coli SSB Protein's Intrinsically Disordered C-terminal Tails in Cooperative Binding to DNA
4:15 PM Tanja Mittag, St. Jude Children's Research Hospital
The Role of Protein Disorder and Self-Association in the Formation of Cellular Bodies
4:45 PM Petra Levin, Washington University in St. Louis
An Intrinsically Disordered Linker Plays a Central Role in Bacterial Cell Division
5:15 PM Clifford Brangwynne, Princeton University
Space and Time in IDP-mediated Intracellular Phase Transitions
5:45 PM Introduction of Closing Keynote Speaker
5:50 PM Closing Keynote: Ursula Jakob, University of Michigan
Conditionally Disordered Chaperones
6:30 PM Closing Remarks