

Ashok Deniz, Scripps Research Institute, Subgroup Chair

Intrinsically Disordered Proteins Subgroup 2014 Symposium

Saturday, February 15, 2014

San Francisco, California

Intrinsic Protein Disorder: Structure and Mechanisms

Organizers: Jianhan Chen, Kansas State University, and
Ben Schuler, University of Zurich

9:00 AM, DisProt and Web Resources Discussion

10:30 AM, Business Meeting

1:00 PM, Keynote Speaker: Jane Clarke, University of Cambridge, United Kingdom
Folding Upon Binding – Is it Just a Simple Protein Folding Problem?

1:45 PM, Robert Best, NIH
Insights into the Binding Mechanism of IDPs from Molecular Simulation

2:10 PM, Postdoc Talk: Andrea Soranno
Single-Molecule Spectroscopy Reveals Polymer Effects of Disordered Proteins in Crowded Environment

2:25 PM, Jean Baum, Rutgers University
Accessible Conformations of N-terminal Acetylated Alpha-synuclein: Implications for Fibril Formation

2:50 PM, Michael Woodside, University of Alberta, Canada
Diverse Transient Structures in Small Oligomers of Alpha-synuclein Probed by Single-molecule Force Spectroscopy

3:15 PM, Coffee Break

3:45 PM, Richard Kriwacki, St. Jude Children's Research Hospital
Control of Disorder and Order in Signaling by Proteins

4:10 PM, Martin Blackledge, Institut de Biologie Structurale, France
NMR Studies of the Free Energy Landscape of Intrinsically Disordered Proteins in their Free and Bound Forms

4:35 PM, Postdoc Talk: Tzachi Hagai
Extensive Use of Host-Mimicking Motifs Supports Complex Regulation of Viral Proteins

4:50 PM, Mark Bowen, Stony Brook University
Linking Intrinsic Disorder to Allosteric Regulation in the NMDA Receptor

5:15 PM, Keynote Speaker: Rohit Pappu, Washington University in St. Louis
Decoding Sequence-ensemble Relationships of IDPs