Elizabeth Rhoades, Yale University, Subgroup Chair

Intrinsically Disordered Proteins Subgroup 2016 Symposium
Saturday, February 27, 2016
Los Angeles, California

10:00 AM - 6:30 PM

Program Chairs: Jane Dyson, Scripps Research Institute, Martin Blackledge, IBS

10:00 AM Subgroup Business Meeting

12:30 PM Opening Remarks and Introduction

12:35 PM Keynote 1: Markus Zweckstetter, Max Planck Institute, Germany
Intrinsically Disordered Proteins in Neurodegeneration

1:20 PM David Eliezer, Cornell University, Weill Medical College
Balancing Order and Disorder in Neurodegeneration and Neurotransmission

1:45 PM David Mercadante, HITS gGmbH- Heidelberg Institute for Theoretical Studies
The Basis and Advantages of Extreme Plasticity: Nucleoporins as a Paradigm

2:10 PM Post-doc Award Speakers
Shana Elbaum-Garfinkle, Princeton University
Phase Separation of Disordered Proteins into Liquid Droplets with Tunable Properties
Alexander Tischer, Mayo Clinic
A Goldilocks Predicament for Von Willebrand Factor mediated Platelet Adhesion

2:40 PM Jeetain Mittal, Lehigh University
Structure and Dynamics of Intrinsically Disordered Proteins from a Physics-based Model

3:05 PM Norman Davey, University College Dublin, Ireland
Discovery and Characterisation of Novel Functional Modules in Intrinsically Disordered Regions

3:30 PM Coffee Break

3:50 PM Vince Hilser, Johns Hopkins University
Simultaneous Tuning of Activation and Repression in Intrinsic Disorder-Mediated Allostery

4:15 PM Sarah Bondos, Texas A&M Science Health Center
Searching for regulatory “structure” in a disordered protein: A Hox transcription factor tail

4:40 PM Sara Vaiana, Arizona State University
Slow Internal Dynamics and Charge Expansion in IDPs of the Ct family: Comparing Amyloid and Non-amyloid Variants

5:05 PM Toshio Ando, Kanazawa University, Japan
Structural and Functional Analyses of IDPS by High-speed AFM Imaging

5:35 PM Keynote 2: Phil Selenko, Leibniz-Institut für Molekulare Pharmakologie Berlin, Germany
Atomic-resolution in-cell NMR Analysis of Alpha-synuclein in Mammalian Cells Reveals a Disordered Monomer

6:20 PM Closing Remarks