

Justin Benesch, University of Oxford, United Kingdom Subgroup Chair

Molecular Biophysics Subgroup 2016 Symposium

Saturday, February 27, 2016

Los Angeles, California

Title: New Methods for Studying the Structural Dynamics of Macromolecules

9:15 AM - 1:45 PM

9:15 AM Opening Remarks

9:20 AM Keynote Lecture: *Dorothee Kern*, Brandeis University
New Biophysics Legoland to Explore Protein Dynamics

10:05 AM *Arwen Pearson*, Hamburg Centre for Ultrafast Imaging, Germany
Time-resolved X-ray Crystallography

10:35 AM *Philipp Kukura*, University of Oxford, UK
High-speed Scattering for Visualising Nanometric Protein Complexes

11:05 AM *Matteo Dal Peraro*, École polytechnique fédérale de Lausanne, Switzerland
Assembling Macromolecular Complexes with Evolutionary-based Integrative Modeling

11:35 AM Coffee Break and Subgroup Business Meeting

12:05 AM *Juergen Plitzko*, Max Planck Institute of Biochemistry, Germany
Charting Cellular Landscapes in Molecular Detail by in situ Cryo-electron Tomography

12:35 PM *Tuomas Knowles*, University of Cambridge, UK
New Microfluidic Approaches for Studying the Self-assembly and Misassembly of Proteins

1:05 PM *Charlotte Uetrecht*, Heinrich Pette Institute, Germany
Dynamics of viral structures - from mass spectrometry to X-ray free-electron lasers

1:35 PM Closing Remarks