

Silvia Cavagnero, University of Wisconsin, Madison, Subgroup Chair

Biopolymers in Vivo Subgroup 2015 Symposium

Saturday, February 7, 2015

Baltimore, Maryland

Interaction Networks in Living Systems

Program co-chairs: Joan Shea, University of California, Santa Barbara, and Sarah Woodson, Johns Hopkins University

- 10:45 AM Subgroup Business Meeting
- 12:55 PM Introduction by Program Chairs, Joan Shea and Sarah Woodson
- 1:00 PM **Keynote Speaker:** Jamie Williamson, Scripps Research Institute
Dynamics of Bacterial Ribosome Assembly in Cells
- 1:30 PM Robert Singer, Albert Einstein College of Medicine
Tracking Single mRNAs in Live Cells
- 2:00 PM Ivet Bahar, University of Pittsburgh
Neurotransmitter Translocation: Insights from Network Models and Multiscale Simulations
- 2:30 PM Student/Postdoc Short Talk: Antoine Coulon, NIH
Live-Cell Single-Molecule Imaging of Sense and Antisense Transcription of a Yeast Gene
- 2:50 PM Break
- 3:20 PM Gerhard Hummer, Max Planck Institute of Biophysics, Germany
Assembling the Pieces of Protein Puzzles
- 3:50 PM Jin Zhang, Johns Hopkins University
Probing Spatiotemporal Regulation of Signal Transduction in Living Cells
- 4:20 PM Student/Postdoc Short Talk: Anne Plochowitz, University of Oxford, United Kingdom
Real-Time Transcription Initiation by E.Coli RNA Polymerase In Vitro and In Vivo
- 4:40 PM **Keynote Speaker:** Xiaowei Zhuang, Harvard University
Super-Resolution Fluorescence Imaging with STORM
- 5:10 PM Concluding Remarks



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