

Biopolymers in vivo Subgroup 2018 Symposium

Saturday, February 17, 2018

San Francisco, California

12:00 PM- 6:00 PM

Esplanade Room 158

Subgroup Chair: Patricia Clark, University of Notre Dame

Symposium Co-Chairs: D. Allan Drummond, University of Chicago and T.Y. Dora Tang, Max Planck Institute, Germany

Molecular Origins of Cellular Organization

12:00 PM Business Meeting

1:00 PM Opening Remarks

1:05 PM **Opening Keynote Lecture**

Geraldine Seydoux, John Hopkins University

RNA Granules: Liquids or Active Condensates?

1:50 PM

Alex Holehouse, Washington University

A General Framework for Predicting and Understanding Sequence-encoded Phase Diagrams of Intrinsically Disordered Proteins

2:15 PM

Michelle Meyer, Boston College

Re-inventing RNA Regulators: The structural plasticity of RNA structure in RNA-protein regulatory interactions

2:40 PM Selected Talk

Hide Konishi, Kyoto University, Japan

Deciphering Protein-rich Domains Formed by Non-structured Proteins in the Nuclear Pore Complex

2:55 PM Break

3:05 PM **Junior Faculty Award & Lecture**

D. Allan Drummond, University of Chicago

3:35 PM Selected Talk

Jervis Thevathasan, EMBL, Germany

Illuminating the Self-assembly of Alpha-synuclein Amyloid Fibrils

3:50 PM

Martin Egli, Vanderbilt University

PS2 RNA: SAR and Biophysics

4:15 PM Break

4:30 PM

*Irene Chen, University of California, Santa Barbara
Evolution and Encapsulation of Functional RNA*

4:55 PM Selected Talk

Shion Lim, University of California, Berkeley

An Evolutionary Trend Towards Kinetic Stability in the Folding Trajectory of Ribonucleases H

5:10 PM **Closing Keynote Lecture**

John Chaput, University of California, Irvine

Extending the Concepts of Heredity and Evolution to Artificial Genetic Polymers

6:00 PM Adjournment

The Biopolymers In Vivo Subgroup is grateful for support from the following companies:

