

2021 Intrinsically Disordered Proteins Symposium

Monday, February 22, 2021

2:00 PM – 6:00 PM USA Eastern (*held virtually*)

Subgroup Chair: Nicolas Fawzi, Brown University, USA

Program Co-Chairs:

Robert Best, National Institute of Diabetes and Digestive and Kidney Diseases, NIH, USA
and Alessandro Borgia, St. Jude Children's Hospital, USA

Presentations:

2:00 PM - Keynote Speaker: Keith Dunker, Indiana University, USA (Founder of IDP Subgroup)
On the Evolution of IDRs, IDDs, and IDPs

2:35 PM - Rosana Colleparado, Cambridge University, United Kingdom
Liquid-like Chromatin Organization from Multiscale Modelling

3:00 PM - Beat Fierz, Ecole Polytechnique Fédérale de Lausanne, Switzerland
Dynamic Control Mechanisms of Local Chromatin Access

3:25 PM - Hagen Hofmann, Weizmann Institute, Israel
Allostery through DNA Drives Phenotype Switching

3:50 PM - Anne Bremer, St. Jude Childrens Research Hospital, USA

4:05 PM - Alexander K. Buell, Technical University of Denmark
The Thermodynamics of Misfolding into Amyloid Fibrils


4:30 PM - Rebecca B. Berlow, Scripps Research Institute, USA
Mechanisms of Competition between Disordered Proteins in vitro and in vivo

4:55 PM - Matthew R. King, Washington University in St. Louis, USA

5:10 PM - Allie Obermeyer, Columbia University, USA
Design of Protein-based Complex Coacervates in Cells

5:35 PM - Wenwei Zheng, Arizona State University, USA
Computational Models for Liquid-Liquid Phase Separation of Intrinsically Disordered Proteins

The Intrinsically Disordered Proteins Subgroup is grateful for support from the following sponsors:

The logo for LUMICKS, featuring the word in a bold, sans-serif font. The 'L' is blue, and the 'i' in 'LUMICKS' is a stylized blue 'X' shape.The logo for Malvern Panalytical, consisting of a stylized 'X' shape formed by multiple parallel lines in shades of blue and green, with the text 'Malvern Panalytical' below it.The logo for REOFEYN, featuring the word in a blue, sans-serif font with a blue circle containing a dot in the 'O'. Below it is the tagline 'WEIGHING MOLECULES WITH LIGHT' and the website 'reofeyn.com'.The logo for WYATT TECHNOLOGY EUROPE, featuring a circular icon with a complex, swirling pattern on the left and the text 'WYATT TECHNOLOGY EUROPE' on the right.The logo for xenocs, featuring a stylized blue 'X' icon on the left and the text 'xenocs Exploring the very small' on the right.