

2021 Cryo-EM Symposium

Monday, February 22, 2021

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

Subgroup Chair: Charles (Chuck) Sindelar, Yale University, USA

Program Co-Chairs: Michael Cianfrocco, University of Michigan, USA
and Andres Leschziner, University of California - San Diego, USA

Presentations:

2:05 PM Keynote Speaker: Helen Saibil, Birkbeck College London, United Kingdom
Cryo EM of Dynamic Complexes

2:35 PM Sharon G. Wolf, Weizmann Institute of Science, Israel
What can CryoSTEM tomography do?

2:57 PM Dimitry Tegunov, Max Planck Institute for Biophysical Chemistry -
Göttingen, Germany
Resolving Protein Dynamics in situ with Deep Learning

3:19 PM Tristan Croll, University of Cambridge, United Kingdom
Physics-based Interactive Model Building with ISOLDE

3:37 PM Lori A. Passmore, MRC Laboratory of Molecular Biology at Cambridge
University, United Kingdom
Mechanistic Insights into Molecular Machines that Regulate Gene Expression

4:14 PM Gira Bhabha, New York University Langone Health, USA
Tunnels for Lipid Transport Across the Bacterial Cell Envelope

4:36 PM Yimo Han, Rice University, USA
Monolayer Graphene Grids Enable 2.6-Å Reconstruction of 52-kDa Streptavidin

4:54 PM Lexi Walls, University of Washington, USA
Visualizing the SARS-CoV-2 Spike in Complex with Neutralizing Antibodies

5:12 PM Katerina Naydenova, MRC Laboratory of Molecular Biology at Cambridge University, United Kingdom

The Physics of Movement-free CryoEM

5:30 PM Radostin Danev, University of Tokyo, Japan

Pushing the Limits of Cryo-EM for G Protein-coupled Receptors

Cryo-EM Subgroup is grateful for the support of the following sponsor:

