

Physical Cell Biology Subgroup
2020 Symposium
San Diego, California
San Diego Convention Center Room: Ballroom 20 A
Symposium Time: 9:00 AM - 12:15 PM
Subgroup Chair: Julie S. Biteen, University of Michigan
Program Chair: Keng-hui Lin, Academia Sinica - Institute of Physics, Taiwan

9:00 AM Megan T. Valentine, University of California, Santa Barbara

Force Sensing and Regulation in Tissues - from Aggregates to Organisms

9:30 AM Fangwei Si, University of California, San Diego

Mechanistic origin of cell-size control and homeostasis in bacteria

9:45 AM Robert B. Phillips, California Institute of Technology

Schrodinger's "What is life?" at 75: the Physical Aspects of the Living Cell Revisited

10:30 AM Christine Jacobs-Wagner, Yale School of Medicine

Biophysical Properties of the Bacterial Cytoplasm

11:00 AM Yuan-I (Nina) Chen, University of Texas at Austin

Comparison of in-vitro and in-vivo DNA hybridization kinetics using 3D single-molecule tracking

11:15 AM Siddarth Reddy Karuka, University of Minnesota

Exclusion of RNA-associated proteins from the cell cortex observed by dual color z-scan fluorescence microscopy

11:30 AM Antoine M. van Oijen, University of Wollongong, Australia

Tackling Antimicrobial Resistance, One Molecule at a Time

12:00 Noon Subgroup Business Meeting

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