

Biophysical Society 66th Annual Meeting
Biological Fluorescence Subgroup Symposium
Saturday February 19, 2022
San Francisco, California

Subgroup Chair: Gilad Haran, Weizmann Institute of Science, Israel

Symposium managed by incoming Subgroup Chair: Sua Myong, Johns Hopkins University

Symposium Time: 8:30 AM - 12:30 PM PST

Subgroup Business Meeting: 10:15 AM

Symposium Room: Moscone South 204/205/206

8:35 AM Jerome Wenger, Institut Fresnel, France

Improving Single-Molecule Fluorescence Detection with Zero-mode Waveguide Nanoapertures

9:00 AM Vaishnavi Ananthanarayanan, EMBL at University of New South Wales, Australia

Single-Molecule Imaging of Cytoplasmic Dynein in vivo Reveals the Mechanism of Motor Activation and Cargo Capture

9:25 AM Thomas Graham, University of California Berkeley

Proximity-assisted Photoactivation (PAPA): Detecting Molecular Interactions in Live-Cell Single-Molecule Imaging

9:50 AM Christy Landes, Rice University

Conformational Changes Impact 3D Antibody Translational Dynamics During Separation Through an Ion Exchange Support

10:15 AM Subgroup Business Meeting & Break

10:40 AM Timothy Craggs, Sheffield University, UK

Modular Single-Molecule Microscopy: New Hardware, Software, Protocols And Controls - The Smfbox Evolved

11:05 AM Rapid Fire Talks from Aaron Blanchard, Rama Reddy Goluguri, and Falk Schneider

11:25 AM Young Fluorescence Investigator Award & Lecture

11:55 AM Gregorio Weber Award & Lecture

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