

Biological Fluorescence Subgroup 2018 Symposium

Saturday, February 17, 2018

San Francisco, California

1:00 PM- 5:15 PM

South Level Two, Room 215/216

Subgroup Chair: Michelle Digman, University of California, Irvine

1:00 PM Opening Remarks

1:05 PM

David Piston, University of Washington in St. Louis

Resolving Dopamine Receptor Dynamics with Spatial, Temporal, and Spectral Sampling

1:35 PM

Laura Marcu, University of California, Davis

Fluorescence Lifetime Techniques for Biomedical Applications

2:05 PM

Sara Abrahamsson, University of California, Santa Cruz

Fast 3D Superresolution Microscopy with Multifocus SIM

2:35 PM

Reto Fiolka, University of Texas, Southwestern

Quantitative Imaging of Cellular Morphodynamics and Signaling with Light-Sheet Microscopy

3:05 PM Break

3:15 PM Business Meeting

3:25 PM

Alexa Mattheyses, University of Alabama, Birmingham

Bridging the Gap: Protein Order and Organization in Cell Adhesion

3:55 PM

Arnaud Gautier, École Normale Supérieure, Paris, France

Hybrid Fluorescent Markers for Reporting and Biosensing on Demand

4:20 PM Rapid Fire Student Talk

Lorenzo Scipioni, Italian Institute of Technology

Airyscan Comprehensive Superresolution Correlation Analysis

4:25 PM Rapid Fire Student Talk

Xue Wen Ng, National University of Singapore

Studying Protein Dynamics and Organization in Live Cell Membranes By Imaging FCS And SOFI/SRRF Analyses

4:30 PM Rapid Fire Student Talk

Jung-Chi Liao, Institute of Information Science Academia Sinica, Taiwan

3D Architectural Reconstruction of Mammalian Centriole Distal Appendages Using Superresolution Microscopy

4:35 PM Rapid Fire Student Talk

Hannah Heil, University of Würzburg, Germany

Boosting the Localization Precision in Superresolution Microscopy: Boostorm

4:40 PM Rapid Fire Student Talk

Dalia El Arawi, University of Technology of Troyes, France

Variable-Angle Total Internal Reflection Fluorescence Microscopy: Exploring integrin-mediated adhesion

4:45 PM **Young Fluorescence Investigator Award & Lecture**

5:00 PM **Gregorio Award & Lecture**

Debora Foguel, Federal University of Rio de Janeiro, Brazil

Pressure and Fluorescence Studies on Protein Misfolding Related to Amyloidogenic and Neurodegenerative Diseases

and

Jerson L. Silva, Federal University of Rio de Janeiro, Brazil

Pressure and Fluorescence Studies on Protein Misfolding Related to Prion Diseases and Cancer

5:15 PM Adjournment