Biophysical Society 68th Annual Meeting

Biological Fluorescence Subgroup Symposium

Saturday February 10, 2024

Philadelphia, Pennsylvania

Subgroup Chair: Hugo Sanabria, Clemson University, USA
Symposium Time: 1:30-5:30 PM EST
Subgroup Business Meeting: 3:15 PM
Symposium Room: 201AB

1:30 PM Opening Remarks

1:35 PM Fernando Stefani, University of Buenos Aires, Argentina
STED-FRET, MINFLUX, and Other Approaches to Push Fluorescence-Based Bioimaging Resolution Below 10 nm

2:00 PM Katrin Heinze, Rudolf Virchow Center for Integrative and Translational Bioimaging, Germany
Unraveling Fast G-Protein Coupled Receptor Mobility and Binding

2:25 PM Joerg Bewersdorf, Yale University School of Medicine, USA
New Fluorescent Probes for Fast Multiplexed DNA-Based Super-Resolution Microscopy

2:50 PM Melike LakadamyaliI, University of Pennsylvania, USA
Visualizing the Inner Life of Cells with Super-Resolution Microscopy

3:15 PM Subgroup Business Meeting & Break

3:25 PM Flash Talks: Eric Burns, Ecenaz Bilgen, Morgan Rice, Yongjae Lee, and Sarah Innes-Gold

3:45 PM Victoria Birkedal, Aarhus University, Denmark
Folding and Unfolding of G-Rich DNA Knots Using Single Molecule FRET

4:10 PM Sudipta Maiti, Tata Institute of Fundamental Research, India
'QSLIP' Determines the State of Folding of Individual Amyloid Oligomers in a Lipid Membrane

4:35 PM **Young Fluorescence Investigator Award Winner Talk:** Sonja Schmid

5:00 PM **Gregorio Weber Award Winner Talk:** Taekjip Ha

5:25 PM Closing Remarks

7:00 PM **Subgroup Dinner at Village Whiskey**

Also:

February 11 12:00 PM: **Lunch of the FRET community**

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The Biological Fluorescence Subgroup is also grateful for support for the Young Fluorescence Investigator Award

The Biological Fluorescence Subgroup is also grateful for support for the Gregorio Weber Award for Excellence in Fluorescence Theory and Applications