

Nanoscale Biophysics Subgroup 2017 Symposium
Saturday, February 11, 2017
New Orleans, Louisiana
12:30 PM- 6:00 PM
Room 208/209

Julie Biteen, University of Michigan, Subgroup Chair

12:30 PM

Spectrally Resolved Super-Resolution Microscopy

Ke Xu, University of California, Berkeley

1:00 PM

Super Temporal-Resolved Microscopy (STReM) for Measuring Fast Interfacial Dynamics

Christy Landes, Rice University

1:30 PM

Bright And Stable External Fluorophores In Untransformed Living Cells

Ozgur Sahin, Columbia University

2:00 PM

Single-Molecule Studies Of DNA Replication: The Plasticity Of Multi-Protein Complexes

Antoine van Oijen, University of Wollongong, Australia

2:30 PM

Single Molecule Fluorescence and Atomic Force Microscopy Studies Of DNA Repair

Dorothy Erie, University of North Carolina, Chapel Hill

3:00 PM **Break**

3:30 PM **Student/ Postdoc Talk**

Creating a Physical Map of the Genome

Aakash Basu, Johns Hopkins University School of Medicine

3:45 PM **Student/ Postdoc Talk**

Following a Giant's Footsteps: Single-Particle and Super-Resolution Approaches to Decipher the Nuclear Transport of Hepatitis B Virus Capsids

Giulia Paci, The European Molecular Biology Laboratory

4:00 PM **Student/ Postdoc Talk**

Fabricating and Actuating DNA Origami Mechanisms

Alex Marras, The Ohio State University

4:15 PM

Developing Fluorescent Nanodiamonds for in Vitro and in Vivo Biological Imaging

Keir Neuman, National Institutes of Health

4:45 PM

Spatially resolved mapping of endogenous proteins and RNA in living cells

Alice Ting, Stanford University

5:15 PM **Business Meeting**

6:00 PM **Subgroup Dinner**

The Nanoscale Biophysics Subgroup is grateful for support from the following companies:

HAMAMATSU
PHOTON IS OUR BUSINESS

THORLABS

ONI
Oxford Nanoimaging

 **SciMeasure**