

**Joerg Bewersdorf**, Yale University School of Medicine, Subgroup Co-Chair  
**Victoria Birkedal**, Aarhus University, Denmark, Subgroup Co-Chair

**Nanoscale Biophysics Subgroup 2013 Symposium**  
**Saturday, February 2, 2013**  
**Philadelphia, Pennsylvania**

12:00 PM, Julio Fernandez, Columbia University  
*Single Molecule Enzymology*

12:30 PM, Marija Drndic, University of Pennsylvania  
*Nanopore Graphene-based Electronic Devices*

1:00 PM, Scott Blanchard, Cornell University  
*Allosteric Control of the Ribosome by Small-Molecule Antibiotics*

1:30 PM, Break

2:00 PM, Helmut Grubmuller, Max Planck Institute, Germany  
*Dynamics of the Ribosomal Subunit Interface During tRNATranslocation at Near-Atomic Resolution*

2:30 PM, Student/Postdoc Talk: Grant Schauer, University of Pittsburgh  
*Measurements of the Functional Dynamics of Wild Type and K103N HIV-1 Reverse Transcriptase Provide Insight into the Mechanism of Efavirenz Resistance*

2:45 PM, Christian Eggeling, Max Planck Institute, Germany & Oxford University, United Kingdom  
*New Insight into Lipid-Protein Membrane Organization and Its Functionality with Super-Resolution STED Microscopy*

3:15 PM, Break

3:45 PM, Viola Vogel, ETH Zürich, Switzerland  
*Proteins as Mechano-Chemical Signalling Switches*

4:15 PM, Student/Postdoc Talk: Soren Preus, University of Copenhagen, Denmark  
*FRETmatrix: A General and Versatile Software Package for the Simulation and Quantitative Analysis of FRET in Nanoscale Biostructures*

4:30 PM, Mark Ellisman, University of California, San Diego

*Correlated Microscopies: Tools & Technologies for Multiscale-Multimodel Imaging and Information Integration*

5:00 PM, Business Meeting

6:00 PM, Subgroup Dinner