

# FIRST ANNUAL COHEN FOUNDATION

## BIOPHYSICS SYMPOSIUM

**Topic: SINGLE MOLECULES**

**NOVEMBER 17, 2008,**

**9:00 AM to 6:00 PM**

**MARKER ROOM**

**DEPT. OF CHEMISTRY & BIOCHEMISTRY**

**UNIVERSITY OF MARYLAND**

### SPEAKERS AND TITLES

<p><b>9:20 am Antoine van Oijen</b>, Department of Biological Chemistry and Molecular Pharmacology Harvard Medical School</p>	<p><b>Under the hood of the replisome: A single-molecule view of DNA replication</b></p>
<p><b>10:05 am Arthur La Porta</b>, Biophysics Program at Institute for Physical Science and Technology, and Department of Physics, University of Maryland</p>	<p><b>Using Optical Tweezers to Measure the Sequence Dependent Kinetics of RNA Polymerase</b></p>
<p><b>11:05 am Keir Neuman</b>, Laboratory of Molecular Biophysics, NHLBL, NIH</p>	<p><b>DNA topology and topoisomerases studied with magnetic tweezers: How does topoisomerase IV distinguish left from right?</b></p>
<p><b>11:50 am Laura Finzi</b>, Physics Department, Emory University</p>	<p><b>Elucidation of the mechanism of an epigenetic switch by single-molecule assays</b></p>
<p><b>2:05 pm William A. Eaton</b>, Laboratory of Chemical Physics, NIDDK, NIH</p>	<p><b>Single molecule FRET studies of protein folding</b></p>
<p><b>2:35 pm Julio M. Fernandez</b>, Department of Biological Sciences, Columbia University</p>	<p><b>Force-clamp spectroscopy of single</b></p>

	<b>proteins</b>
<b>4:10 am Ashok Deniz</b> , Department of Molecular Biology, The Scripps Research Institute	<b>Intrinsically Disordered Amyloidogenic Proteins: Structure and Dynamics at Single-Molecule Resolution</b>
RSVP to Caricia Fisher: <a href="mailto:cjfisher@umd.edu">cjfisher at umd.edu</a>	