

# CHEMICAL BIOPHYSICS MINI-SYMPOSIUM

## The Departments of Chemistry and Biochemistry & Biophysics

### Drug Discovery

Friday, May 20, 2011, 12:15 p.m. – 6:15 p.m.  
Grossman Auditorium, Wistar Institute

- 12:15 – 1:00 **Nathanael S. Gray, Harvard Medical School, Dana-Farber Cancer Institute**  
Three Strategies for Overcoming Kinase Inhibitor Resistance
- 1:00 – 1:20 **Jie Qin, Marmorstein Lab, Wistar Institute**  
Structure-based development of inhibitors to oncogenic BRAF kinase
- 1:20 – 1:40 **Shannon Telesco, Radhakrishnan Lab, Department of Bioengineering**  
A Multiscale Modeling Approach to Investigate Molecular Mechanisms of Pseudokinase Activation and Drug Resistance in the HER3/ErbB3 Receptor Tyrosine Kinase Signaling Network
- 1:40 – 2:25 **Jeannie Rojas, Johnson and Johnson Ventures**  
Latest Developments in Alternative Scaffolds Based Drug Discovery at Johnson & Johnson
- 2:25 – 2:45 **Yao Zhang, DeGrado Lab, Department of Chemistry**  
The Design and Characterization for Peptide-Mimic based Anticoagulant Reversal
- 2:45 – 3:00 Coffee Break
- 3:00 – 3:45 **Michelle Arkin, University of California, San Francisco**  
Fragment-based Ligand Discovery for the "Challenging" Target
- 3:45 – 4:05 **Jun Wang, DeGrado Lab, Department of Biochemistry and Biophysics**  
Structure-based Design of Inhibitors Targeting Influenza A Virus M2 Proton Channel (A/M2)
- 4:05 – 4:25 **Troy Messick, Vironika, LLC, Wistar Institute**  
Novel Inhibitors of Latent Epstein-Barr Virus Infection
- 4:25 – 4:45 **James Soper, Brunden Lab, Center for Neurodegenerative Disease Research, Institute on Aging**  
Development of brain-penetrant thromboxane receptor antagonists as novel therapeutics for Alzheimer's disease
- 4:45 – 5:30 **Jun Liu, Johns Hopkins University**  
Exploration of the Existing Drug Space for Novel Inhibitors of Angiogenesis.
- 5:30 – 6:15 **Reception, Wistar Atrium**

**Sponsored by:**

**Department of Chemistry  
Department of Biochemistry and Biophysics, Dr. George W. Raiziss Foundation  
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