The Department of Chemistry
And the Department of Biophysics & Biochemistry
Jointly Present

2012 Chemical Biophysics Mini-Symposium

Biological Thermodynamics

September 14, 2012
Lynch Auditorium, Chemistry Building

12:30-1:20 **Thomas Record,** University of Wisconsin-Madison
Interpreting and predicting solute and Hofmeister salt effects on biopolymer processes

1:20-1:40 **Ben Capraro,** Department of Chemistry, Baumgart Lab
Membrane binding and dimerization of the endophilin N-BAR domain

1:40-2:00 **Robert Culik,** Department of Biochemistry and Biophysics, Gai Lab
Experimentally interrogating the folding energy landscape of the Trp-cage miniprotein

2:00-2:50 **Angel García,** Rensselaer Polytechnic Institute
Cosolvent effects on protein stability

2:50-3:10 Coffee Break

3:10-4:00 **Bertrand Garcia-Moreno,** Johns Hopkins University
Proton-coupled processes in proteins

4:00-4:20 **Nathaniel Nucci,** Department of Biochemistry and Biophysics, Wand Lab
Site-resolved measurement of water-protein interactions by solution NMR

4:20-4:40 **Nick Bessman,** Department of Biochemistry and Biophysics, Lemmon Lab
Understanding EGF receptor activation: Exploiting thermodynamics where structure has failed

4:40-5:30 **Ken Dill,** Laufer Center for Physical & Quantitative Biology, Stony Brook University
Beyond the second law: The principles of maximum entropy and maximum caliber, with applications to biology and physics

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