RNA BIOPHYSICS

6th Biophysics Symposium at College Park
Organizer, D. Thirumalai
Tuesday, April 29, 2008, 9:00 am - 5:30 pm
Bioscience Research Building Room 1103

PROGRAM

9:00 am Welcome: Nariman Farvardin, Senior Vice President for Academic Affairs and Provost

9:10 am Introductory Remarks: D. Thirumalai

9:15 am Hammerhead Redux
Olke Uhlenbeck, Northwestern University

10:05 am From Gene to Protein, Force Rules
Koen Visscher, University of Arizona

10:55 am Coffee Break

11:10 am Structural and Biochemical Studies of Metabolite-binding mRNAs
Robert Batey, University of Colorado-Boulder

12:00 pm Why is Dynamics Important for RNA Function?
Kwaku T. Dayie, Lerner Research Institute of the Cleveland Clinic

12:30 pm Lunch Break

1:45 pm RNA Self-assembly from Ribozymes to Ribosomes
Sarah Woodson, Johns Hopkins University

2:35 pm How do DEAD-box Chaperones Help RNAs Fold?
Rick Russell, University of Texas
3:25 pm  Allosteric Coordination of Translation Elongation Factor Binding and Peptidyltransfer  
Jonathan Dinman, University of Maryland

3:55 pm  Coffee Break

4:10 pm  Assembling Ribosomes in Vitro and in Cells  
Jamie Williamson, The Scripps Research Institute

5:00 pm  Closing Remarks

5:15 pm  Reception

Symposium supported by the Institute for Physical Science and Technology, the Department of Chemistry and Biochemistry, and the Center for Biomolecular Structure and Organization