



RNA BIOPHYSICS

6 th 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 Peptidyltransferase**

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