



Twelfth Annual Texas Protein Folders Meeting

Camp Allen, Navasota, TX
May 28-30, 2004

2004 TEXAS PROTEIN FOLDERS MEETING

Program

Friday May 28, 2004

- 4:00 Arrival and Registration
- 6:00 PM Dinner
- 7:00 PM **Marty Scholtz**, Introduction
- 7:10 PM **Dmitrii Markarov** (University of Texas) "Molecular dynamics simulations of the mechanical unfolding and refolding of proteins"
- 7:40 PM *Keynote Speaker*: **George Rose** (Johns Hopkins University) "Proteins – The Unfolding Story"
- 8:45 PM Social and Discussion

Saturday May 29, 2004

- 8:00 AM Breakfast
- 9:00 AM **Clay Clark**, Introduction
- 9:10 AM **Erin Horne** (Tulane University) "The lid of DnaK plays a role in the mechanism of the J-domain"
- 9:40 AM **Marly Eidsness** (University of Georgia) "Cell-free expression of different rubredoxin constructs"
- 10:10 AM **John Deaton** (TAMU) "GroEL: A Proteinaceous Surfactant?"
- 10:40 AM Coffee Break
- 10:55 AM **Jianpeng Ma** (Baylor COM) "Determining Protein Folds from Secondary Structure Skeletons"
- 11:25 AM **Pernilla Wittung-Stafshede** (Rice) "The Role of Cofactors in Protein Folding"
- 12 noon Lunch
- 3:00 PM Posters and Social
- 6:00 PM Dinner

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- 7:00 PM Session 3: Chair: **Wayne Bolen**
- 7:10 PM **Josep Rizo-Rey** (UTSW) "Twists and turns in the calcium-binding properties of C2-domains"
- 7:40 PM *Keynote Speaker.* **Andrew Robertson** (University of Iowa) "Structural Homology Among Ubiquitin-Like Proteins: How Much Do Indels Contribute to Structural Divergence?"
- 8:30 PM Social and Discussions

Sunday May 30, 2004

- 8:00 AM Breakfast
- 9:00 AM **Sam Landry**, Introduction
- 9:10 AM **Nick Pace** (TAMU) "Probing the Denatured State Ensemble with Fluorescence"
- 9:40 AM **John Vakonakis** (TAMU) "Structural studies on the cyanobacterial chronosome: a possible mechanism for KaiC regulation"
- 10:10 AM **Peter Vekilov** (University of Houston) "The role of water structuring for the thermodynamics and kinetics of phase transitions with proteins"
- 10:40 AM Coffee Break
- 10:55 AM **Allan Ferreon** (UTMB) "Structural and thermodynamic differences between types of protein native and denatured ensembles"
- 11:25 AM **Sarah Bondos** (Rice) "Regulating activity in an unstructured domain: Function and evolution of transcription activation in the Hox transcription factor family"
- 12 noon Lunch and Departure