



**13th Annual Texas Protein
Folders Meeting**

**Camp Allen
Navasota, Texas
June 3-5, 2005**

2005 TEXAS PROTEIN FOLDERS MEETING

Program

Friday June 3, 2005

- 4:00 PM Arrival and Registration
- 6:00 PM Dinner
- 7:00 PM Session 1: **Marty Scholtz**, Introduction
- 7:10 PM **Cecilia Clementi** (Rice) "Optimal combination of theory and experiment to explore the protein folding landscape"
- 7:40 PM *Keynote Speaker:* **Peter Wolynes** (UC-San Diego) "Folding and functional dynamics – a unified view using energy landscape theory"
- 8:45 PM Posters, Social and Discussion

Saturday June 4, 2005

- 8:00 AM Breakfast
- 9:00 AM Session 2: **Marly Eidsness**, Introduction
- 9:10 AM **Laura Segatori** (UT- Austin) "De novo engineering of a bacterial disulfide isomerase"
- 9:40 AM **Bob Fox** (UTMB) "*E. coli* stress proteins, the march from structure to function"
- 10:10 AM **David Marciano** (Baylor COM) "A novel global suppressor in TEM-1 β -lactamase"
- 10:40 AM Coffee Break
- 10:55 AM **Greg Reinhart** (TAMU) "Disentangling the web of allosteric interactions in a tetrameric enzyme"
- 11:25 AM **Shawna Thomas** (TAMU) "Simulating protein motions via rigidity analysis"
- 12 noon Lunch
- 1:00-4:00 PM Free Time
- 4:00 PM Posters and Social
- 6:00 PM Dinner

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- 7:00 PM Session 3: **Jim Hu**, Introduction
- 7:10 PM **Sam Landry** (Tulane) "The J-domain of DnaJ shifts the conformational equilibrium of DnaK"
- 7:40 PM *Keynote Speaker:* **Jeff Kelly** (Scripps) " β -Sheet folding and misfolding mechanisms; preventing misfolding with small molecules"
- 8:30 PM Posters, Social and Discussions

Sunday June 5, 2005

- 8:00 AM Breakfast
- 9:00 AM Session 4: **Gisela Kramer**, Introduction
- 9:10 AM **Jianpeng Ma** (Baylor COM) "Deriving protein topology based on low-resolution experimental techniques"
- 9:40 AM **Andreas Lisewski** (Baylor COM) "A computationally efficient metric for protein structure - Applications to functional annotation, proteome cartography and protein design"
- 10:10 AM **Jerry Tsai** (TAMU) "Defining the conformational volume of a protein fold using a relative approach to define protein packing"
- 10:40 AM Coffee Break
- 11:00 AM **Corey Wilson** (Rice) "The experimental and theoretical folding landscape of monomeric lactose repressor: A quantitative comparison of theory and experiment"
- 11:30 AM **Nick Pace** (TAMU) "Fine-tuning protein stability"
- 12 noon Lunch and Departure

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Support

Generous support was provided by the following sponsors:

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We've Reserved Camp Allen for the
14th Annual Meeting: April 21-23, 2006

The latest information about past, present and future meetings can always be found on our web page:

<http://txfolders.tamu.edu>