



# Eleventh Annual Texas Protein Folders Meeting

Camp Allen, Navasota, TX  
April 11 - 13, 2003

## Program

***Friday April 11, 2003***

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**4:00 - 6:00** Arrival and Registration

**6:00 PM** Dinner

**7:00 PM** Session 1: "Folding & Function"

Chair: Gisela Kramer (U. Texas, Austin)

7:00 PM Gisela Kramer, Introduction

7:10 PM A. Clay Clark, (North Carolina State University)  
"Equilibrium and Kinetic Folding of a  $\alpha$ -Helical Greek Key  
Protein Domain: Caspase Recruitment Domain (CARD) of  
RICK"

7:40 PM Samuel J. Landry (Tulane University)  
"NMR Perturbation Mapping of an Induced Fit"

8:10 PM Matt Auton (UTMB)  
"Transfer Free Energies of Model Peptides:  
Resolving the Controversy of the Backbone Unit"

8:40 PM Andres F. Oberhauser (UTMB)  
"The Use of the Atomic Force Microscope to Study Protein  
Folding Reactions"

**9:00 PM** Social & Discussion

# 2003 TEXAS PROTEIN FOLDER'S MEETING

**Saturday April 12, 2003**

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**8:00 AM Breakfast**

**9:00 AM Session 2: "It's the Disulfides, Silly"**

Chair: Marty Scholtz (TAMU)

9:00 AM Marty Scholtz, Introduction

9:10 AM H. F. Gilbert (Baylor College of Medicine)  
"Substrate Specificity for Protein Disulfide Isomerase"

9:40 AM Jon Robertus (UT Austin)  
"The Role of Yfmo in Folding Disulfide Bonded Proteins"

10:10 AM Laura Segatori (UT Austin)  
"Structure, Function and Engineering of Bacterial Disulfide Isomerases"

**10:40 AM Coffee Break**

10:55 AM Cecilia Clementi, (Rice University)  
"Topology and Energetics in Protein Systems:  
From Folding to Function"

11:25 AM Jerry Tsai (TAMU)  
"Tertiary Interactions in the Prediction of Structure &  
Function"

**12 noon Lunch**

**3:00 PM Posters**

**6:00 PM Dinner**

**7:00 PM Session 3: "Protein Folding in the Fast Lane"**

Chair: Nick Pace (TAMU)

7:00 PM Vince Hilser (UTMB)  
"The Nature and Energetics of Conformational Fluctuations in  
Proteins"

7:30 PM **Keynote Speaker:** Terrence G. Oas (Duke University)  
"Experimental and Computational Studies of Ultrafast Protein  
Folding"

**9:00 PM Discussions & Social**

2003 TEXAS PROTEIN FOLDER'S MEETING

**Sunday April 13, 2003**

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**8:00 AM Breakfast**

**9:00 AM Session 4: "The Molecular Embrace"**

Chair: Jim Hu (TAMU)

9:00 AM Jim Hu, Introduction

9:10 AM John Tesmer (UT Austin)  
"Regulation of Receptor Signaling by G Protein-Coupled Receptor Kinase 2"

9:40 AM Dave Giedroc (TAMU)  
"Bacterial Metal Sensing DNA-Binding Proteins"

10:10 AM Xuelian Luo (U.T. Southwestern Medical Center)  
"NMR Studies of the Unusual Structural Malleability of the Mad2 Spindle Checkpoint Protein"

**10:40 AM Coffee Break**

10:55 AM Gregg Dieckmann, (UT Dallas)  
"Controlled Assembly of Carbon Nanotubes in Aqueous Solution with Designed Amphiphilic Helical Peptides"

11:25 AM Robert Fox (UTMB)  
"On the Road – From Protein Structure to Function"

**12 noon Lunch and Departure**