



Ninth Annual Texas Protein Folders Meeting

Camp Allen, Navasota, TX
April 6-8, 2001

2001 TEXAS PROTEIN FOLDER'S MEETING

Program

Friday April 6, 2001

4:00 - 6:00 Arrival and Registration

6:00 PM Dinner

7:00 PM Session 1: "Folding with a Little Help from Their Friends"

Chairman: Gisela Kramer (U. Texas, Austin)

7:00 PM Gisela Kramer, Introduction

7:10 PM Jianpeng Ma (Baylor College of Medicine)
"Chaperonin GroEL-assisted protein folding"

7:40 PM Samuel J. Landry (Tulane University)
"NMR signal perturbation mapping of mutant DnaJ-DnaK domain interactions"

8:10 PM Jose M. Barral (Baylor College of Medicine)
"UNC-45, required for myosin assembly, is a molecular chaperone"

8:40 PM H. F. Gilbert (Baylor College of Medicine)
"Chaperone-mediated protein folding: problems and solutions"

9:00 PM Social & Discussion

Saturday April 7, 2001

8:00 AM Breakfast

9:00 AM Session 2: "Alternative Protein Lifestyles"

Chairman: Robert O. Fox (UTMB Galveston)

9:00 AM Robert O. Fox, Introduction

9:10 AM W. Christian Wigley (U.T. Southwestern Medical Center)
"A Sequence in CFTR that Encodes Native Structure by Disfavoring an Alternate Conformation"

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9:40 AM Chung-I Chang (U.T. Southwestern Medical Center)
"Structures of MAP kinase p38 complexed to the docking sites on its activator MKK3b and nuclear substrate MEF2A"

10:10 AM J. Martin Scholtz (TAMU)
"Hydrogen exchange reveals two native conformations of the HPr protein."

10:40 AM **Coffee Break**

10:55 AM Vincent Hilser (UTMB Galveston)
"The Use of Ensemble-Based Energetics for Fold Recognition"

11:25 AM C. Nick Pace (TAMU)
"Forces Stabilizing Proteins"

12 noon Lunch

2:00 PM Posters

6:00 PM Dinner

7:00 PM Session 3: "Protein Secretion and Processing"
Chairman: Gil Gilbert (Baylor College of Medicine)

7:00 PM Art Johnson (TAMU)
"Does Nascent Secretory Protein Folding Interfere with Signal Sequence-Dependent Targeting of Ribosomes to the ER Membrane?"

7:30 PM **Keynote Speaker: Chris Kaiser (MIT)**
"Pathways for disulfide bond formation in the ER"

9:00 PM Party

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Sunday April 8, 2001

8:00 AM Breakfast

9:00 AM Session 4: "Protein Structure and Function"

Chairman: Jim Hu (TAMU)

9:00 AM Jim Hu, Introduction

9:10 AM C. S. Raman (UT-Houston)
"Molecular Recognition by Nitric Oxide Synthases: What Are the Roles of Shape and Chemical Reactivity?"

9:40 AM Krishna Rajarathnam (UTMB Galveston)
"Novel Insights Into Disulfide Bond Structure and Dynamics for Chemokine Function"

10:10 AM Andy Hink (University of Texas Health Science Center at San Antonio)
"Structural and Dynamic Aspects of Ligand-Receptor Assembly in the TGF-beta Superfamily"

10:40 AM Coffee Break

10:55 AM Matt Champion (TAMU)
"Functional Proteomics in *E. coli*"

11:25 AM Richard N. Sifers (Baylor College of Medicine)
"Asparagine-linked Oligosaccharide Processing as a Terminal Determinant in Eukaryote Genome Expression".

12 noon Lunch

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Support

Generous support was provided by the following sponsors:

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Mark your calendars.....

The 10th Annual Texas Protein Folders meeting will be held April 19-21, 2002 at Camp Allen.