



Tenth Annual Texas Protein Folders Meeting

Camp Allen, Navasota, TX
April 19-21, 2002

2002 TEXAS PROTEIN FOLDER'S MEETING

Program of Activities

Friday April 19, 2001

- 4:00 - 6:00** **Arrival and Registration**
- 6:00 PM** **Dinner**
- 7:00 PM** **Session 1: "Embracing Diversity"**
Session Chair: Samuel J. Landry (Tulane University)
- 7:00 PM Samuel J. Landry, Introduction
- 7:10 PM William Wimley (Tulane University)
"Membrane protein design using combinatorial peptide libraries"
- 7:40 PM Robert Fox (UTMB Galveston)
"Development of Tight-Binding Miniprotein Ligands to Protein Receptors"
- 8:10 PM Jim Hu (TAMU)
"Searching for homotypic oligomerization in microbial genomes"
- 8:40 PM Tim Palzkill (Baylor College of Medicine)
"Cloning and Expression of the *Treponema pallidum* Proteome"
- 9:10 PM** **Social & Discussion**

Saturday April 20, 2001

- 8:00 AM** **Breakfast**
- 9:00 AM** **Session 2: "Protein Origami"**
Session Chair: Nick Pace (TAMU)
- 9:00 AM Nick Pace, Introduction
- 9:10 AM Susan Marqusee (U.C. Berkeley)
"Engineering the Energy Landscape"

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- 9:40 AM Dmitrii E. Makarov (U.T. Austin)
"Predicting Protein Folding Rates"
- 10:10 AM J. Martin Scholtz (TAMU)
"Protein Solubility and Not Stability is a Key to Amyloid Formation"
- 10:40 AM Coffee Break**
- 10:55 AM B.V.V. Prasad (Baylor College of Medicine)
"X-Ray Structure of a Rotavirus Protein Involved in Genome Replication and Packaging"
- 11:25 AM Phil Thomas (U.T. Southwestern Medical Center)
"Recognition and Disposal of Proteins that Don't Fold"
- 12 noon Lunch**
- 3:00 PM Posters**
- 6:00 PM Dinner**
- 7:00 PM Session 3: "Great New Science from Dear Old Friends"**
Session Chair: Gil Gilbert (Baylor College of Medicine)
- 7:00 PM Gil Gilbert, Introduction
- 7:15 PM **Keynote Speaker: Tom Baldwin (University of Arizona)**
"The Relationship of Kinetics to Efficiency in the Second Reading of the Genetic Code: Folding and Assembly of Bacterial Luciferase"
- 8:00 PM **Keynote Speaker: Lila Gierasch (University of Massachusetts)**
"Folding of a β -Protein with an Internal Cavity: 10 Years Later!"
- 9:00 PM Party**

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Sunday April 21, 2001

- 8:00 AM** **Breakfast**
- 9:00 AM** **Session 4: "Folding \Rightarrow Structure \Rightarrow Function"**
 Session Chair: Patricia LiWang (TAMU)
- 9:00 AM Patricia LiWang, Introduction
- 9:10 AM Gil Gilbert (Baylor College of Medicine)
 "Protein Disulfide Isomerase"
- 9:40 AM Gisela Kramer (U.T. Austin)
 "Nascent Polypeptides on Ribosomes - Do they need Folding Assistants?"
- 10:10 AM John Vakonakis (TAMU)
 "Structural Studies of KaiA, a Circadian Clock Protein"
- 10:40 AM** **Coffee Break**
- 10:55 AM Francis Tsai (Baylor College of Medicine)
 "Structure-Function Studies of Cellular Regulation"
- 11:25 AM Jose Rizo-Rey (U.T. Southwestern Medical Center)
 "Complexin and SNAREs: making an SDS-resistant four-helix bundle even more stable"
- 12 noon** **Lunch and Departure**