

Schultz

TEXAS PROTEIN FOLDERS '96



Camp Allen

March 29-31, 1996

Sponsors of the 1996 TEXAS Protein Folders Meeting

We would like to gratefully acknowledge the following sponsors for their support

The Protein Society

Institute of Biosciences and Technology

Texas A&M University
Houston, Texas 77025
2121 W. Holcombe Blvd.
Houston, TX 77030

Genosys Biotechnologies Inc.

1442 Lakefront Circle
The Woodlands, TX 77380

Beckman Instruments

9700 Richmond Ave, Suite 200
Houston, TX 77042-4623

Aviv Associates

750 Vassar Ave
Lakewood, New Jersey 08701-6907

Bruker Instruments, Inc

19 Fortune Drive
Manning Park
Billerica, MA 01821

On-Line Instrument Systems, Inc.

103 Conway Dr. Suites A & B
Bogart, GA 30622

Cambridge Isotope Laboratories

50 Frontage Road
Andover, MA 01810

Department of Biochemistry

Baylor College of Medicine
One Baylor Plaza
Houston, TX 77030

4th Annual Texas Folders Program

Friday - March 29, 1996

4:00 - 7:00 PM **Check-In and Registration**

7:00 PM **Dinner**

Session I **Chairman** **Wayne Bolen**, Dept. Human Biol. Chem. & Genetics, UTMB, Galveston

8:00 PM **Tom Baldwin** **Kinetic traps in protein folding**
Dept. of Biochem., Texas A&M University

8:25 **Barry Nall** **Detection and Characterization of Folding Intermediates**
Dept of Biochem., U. Texas Health Science Center, San Antonio

8:50 **Florante A. Quioco** **Exquisite Specificity and Novel Features of Ligand Binding to Phosphate and Sulfate Transport Receptor**
Dept. of Biochem./HHMI, Baylor College of Medicine

9:15 **Joel Morrisett** **Multiple cis-trans Conformers of the Prolactin Receptor Proline-Rich Motif (PRM)**
Dept. of Biochem. and Medicine, Baylor College of Medicine

9:40 - **Refreshments**

Saturday - March 30, 1996

8:00 AM Breakfast

Session II Chairman **Betsy Goldsmith**, Dept. Biochemistry, U. Texas Southwestern Med. School

9:00 George Georgiou Disulfide Bond Formation in *Escherichia coli*
Dept. of Chem. Engineering, U. Texas, Austin

9:25 Tony Kudlicki Folding of Nascent Rhodanese on Ribosomes
Dept. of Chem. & Biochem., U. Texas Austin

9:50 Nick Pace Hydrogen Bonding Stabilizes Globular Proteins
Dept. of Medical Biochem., Texas A&M University

10:15 Break

10:40 George Makhatadze Solvent isotope effect and protein stability
Dept. of Biochem., Texas Tech University

11:05 J. Ching Lee A molecular model of pyruvate kinase regulation
Dept. of Human Biol. Chem. & Genetics, U. T. M. B., Galveston

11:30 Fred Gimble Substrate interactions of the rare-cutting PI-SceI endonuclease
Institute of Biosciences and Technology, Texas A&M U.

11:55 Wah Chiu Assembly in DNA containing viruses
Dept. of Biochem., Baylor College of Medicine

12:30 PM Lunch

Free Time

3:30 Posters

6:00 PM Dinner

7:00 Heinrich Roder Kinetic role of early structural intermediates in protein folding
Member, Institute for Cancer Research, Fox Chase Cancer Center
Adjunct Prof., Dept. of Biochem. & Biophysics, U. of Pennsylvania

8:00 Robert L. Baldwin Nature of the apomyoglobin folding intermediate
Dept. of Biochem., Stanford University

9:00 Break

9:30 Group Discussion

Sunday, March 31

8:00 AM Breakfast

Session III Chairman Boyd Hardesty, Dept. of Chem. & Biochem, U. Texas, Austin

9:00 AM Phil Thomas Defective protein folding as a basis of cystic fibrosis
Dept. of Physiology, U. Texas Southwestern Med. Cntr.

9:25 Sam Landry Structure and Flexibility in a Chaperonin Regulatory Interface
Dept. of Biochem., Tulane University School of Medicine

9:50 Xiagang Zeng GCN4 leucine zipper a position mutants with altered dimer stabilities and specificities
Dept. of Biochem., Texas A&M University

10:15 Marty Scholtz N-cap Effects on Protein Stability: Implications for Protein Phosphorylation
Dept. of Medical Biochem., Texas A&M University

10:40 Break

11:05 Bettie Sue Masters Structural Organization of Neuronal Nitric Oxide Synthase Determined by Microdissection and Biophysical Characterization
Dept. of Biochem., U. T. Health Science Center., San Antonio

11:30 Bob Fox Staphylococcal Nuclease Folding Intermediates Observed by NMR Chemical Cleavage and Redox Chemistry
Dept. Human Biol. Chem. & Genetics, U. T. Med. Branch, Galveston

11:55 Frank Raushel Assembly of the Binuclear Metal Center in Phosphotriesterase
Dept. of Chemistry, Texas A&M University

12:30 Lunch and Checkout