SCHOLTZ

TEXAS PROTEIN FOLDERS '97

Camp Allen

March 21-23, 1997

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Galveston, Texas 77555

5th Annual Texas Folders Program

Friday - March 21, 1997

4:00 - 7:00 P.M.	Check-In and Refreshments
7:00 PM	Dinner
Session I	**Robert Fox**, Session Chair Human Biological Chemistry and Genetics, University of Texas Medical Branch @ Galveston
8:00 PM	**Ken Dill, Professor,** Univ. of California at San Francisco
	Sightseeing on the Pathways to Protein Folding
9:00	Group Discussion/Posters/Refreshments

Hagen et al (1996) PNAS 11615-7 } μsec?
Rate of 3° HB formation (cyt C)

Saturday - March 22, 1997

Schwarz
0.1 μsec Helix Kinetics
JMB (1965) 11 64
2° structure
Hummel ?? JACS

8:00 AM	**Breakfast**
Session II	**Marty Scholtz**, Session Chair Medical Biochemistry, Texas A&M Univ.
9:00	**Barry Nall** Dept. of Biochemistry, UT Health Science Center @ San Antonio
	Fast Folding of Cytochrome C ~300 ms not 0.1→1 μsec 10ms for this mutants
9:30	**George Makhatadze** Dept. of Chemistry and Biochemistry, Texas Tech Univ.
	Helix Capping Propensities of Amino Acid Residues in the Alpha L Motif
10:00	**Monty Pettitt** Dept. of Chemistry, Univ. of Houston
	Micro Folding and Phase Stability
10:30 BREAK	
Session III	**David Gorenstein**, Session Chair Human Biological Chemistry and Genetics, Univ. of Texas Medical Branch @ Galveston
11:00	**John Osterhout** The Rowland Inst. for Science
	Solution Structure of αtα, a Helical Hairpin Peptide of De Novo Design Intended as a Model System for the Second Stage of Protein Folding
11:30	**Huguette Pelletier** Dept. of Biochemistry, Baylor College of Medicine
	The Helix-Hairpin-Helix Motifs of Human DNA Polymerase-Beta; A Novel DNA-Binding Motif with Multiple Functions
12:00	**Rui Sousa**

	Dept. of Biochemistry, UT Health Science Ctr. @ San Antonio
	Structure and Mechanism of an RNA Polymerase
12:30 PM	**LUNCH**
1:30	**FREE TIME**
3:30	**Posters**
6:00PM	**Dinner**
Session IV	**Boyd Hardesty**, Session Chair Dept. of Chemistry and Biochemistry, Univ. of Texas, Austin
7:00	**Samuel J. Landry** Dept. of Biochemistry, Tulane Univ. School of Medicine
	Backbone Dynamics in Human Hsp10
7:30	**Robert Fox** Human Biological Chemistry and Genetics, Univ. of Texas Medical Branch @ Galveston
	Structural Insights into a GroEL-Bound Protein
8:00	**Wieslaw Kudlicki,** Chemistry & Biochemistry, Univ. of Texas @ Austin
	Ribosomes and Ribosomal RNA as Chaperones for Folding of Proteins
8:30	**Group Discussion/Posters/Refreshments**

Sunday, March 31, 1997

8:00 AM	**Breakfast**
Session V	**Jim Hu**, Session Chair, Biochemistry, Texas A&M Univ.
9:00 AM	**Nick Pace** Medical Biochemistry, Texas A&M Univ.
	A Direct Comparison of Helix Propensity in Proteins and Peptides
9:30	**Wayne Bolen** Human Biological Chemistry and Genetics, Univ. of Texas Medical Branch @ Galveston
	The Role of the Thermodynamic Character of Denatured Ensembles in Interpreting Unfolding Free Energy Changes
10:00	**Jeff Kelly** Texas A&M University
	A Mechanistic Study of Transthyretin's Denaturation Pathway Leads to a Small Molecule Therapeutic Strategy For Intervention in Human Amyloid Disease
10:30	**Break**
Session VI	**Miriam Ziegler**, Session Chair, Biochemistry & Biophysics, Texas A&M Univ.
11:00	**Betsy Goldsmith** Biochemistry, UT Southwestern Medical Center
	Kinetically Controlled Folding of the Serpin Plasminogen Activator Inhibitor-1
11:30	**Tom Baldwin** Biochemistry & Biophysics, Texas A&M University
	Kinetic Control of Protein Folding
12:00	**Lunch and Checkout**