

1994 TEXAS PROTEIN FOLDERS MEETING

APRIL 8-10, 1994

HERMANN SONS HILLTOP CAMP
COMFORT, TEXAS

HOSTED BY

DEPARTMENT OF BIOCHEMISTRY
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT
SAN ANTONIO

AND

THE PROTEIN SOCIETY

Free Wine

Contributions to the conference were provided by:

Alpha Laval Sharples
Beckman Instruments
The Department of Biochemistry, UTHSC San Antonio
— Hermann Sons Youth Camps
New Brunswick Scientific Co., Inc.
— Pedernales Vineyards
— The Protein Society
— Sister Creek Vineyards
SLM Aminco/Milton Roy Fluorescence and UV Instruments

(Phone
Barr)

"Phone Food!"

TABLE OF CONTENTS

	Page
Schedule	3
Poster Abstracts	5
Author Index	22
Directory of Conference Participants	25
Sponsors	34

**Paul M. Horowitz
Barry T. Nall
Conference Coordinators
Department of Biochemistry
University of Texas Health Science Center
San Antonio, Texas 78284-7760
210-567-3775
FAX 210-567 6595**

**During the conference only, messages may be left at 210-995-3223
Emergency messages can be left at 210-995-2457**

Schedule for the 1994 Texas Protein Folders Meeting

April 8-10, 1994

Friday April 8

1:00-5:00 P.M. Registration and Check-in
4:45-5:45 Social Hour
5:45-6:45 Buffet Dinner
7:00-7:30 Introduction and Welcome

Session 1 Aspects of Protein Stability

7:30 Dr. Wayne Bolen- "The application of protein folding thermodynamics to the study of energy transduction"
8:20 Dr. Marty Scholtz "Helix formation as a model for protein folding"
9:00 Dr. Terry Gray "Denaturation Studies of Barnase"

Saturday April 9

7:00-8:30 A.M. Breakfast

Session 2 Multidomain/Subunit Proteins

8:30 Dr. James Lee "Energetics of interdomain and intersubunit interactions in CRP"
9:20 Dr. Thomas Baldwin "Kinetic partitioning and the control of protein folding"

10:10 Break

Session 3 Protein-Assisted Folding

10:30 Dr. Lila Gierasch "NMR Studies of flexibility in chaperonins"
11:20 Dr. Gil Gilbert "Chaperones and antichaperones: PDI"

Photo → 12:10-1:10 Lunch (Box lunches)

1:10-3:00 OPEN

3:00-6:00 Posters/Social/Wine Tasting

6:00-7:00 Dinner

7:30-8:30

Keynote Speaker: Dr. Robert Sauer; MIT

"Genetic and Biophysical Dissection of the Folding and Stability of the P22 Arc Repressor"

8:30

Social/Discussion Groups

Sunday April 10

7:30-8:30

Breakfast

Session 4

In vivo Issues in Protein Folding

9:00

Dr. John Olson "Myoglobin folding"

9:50

Dr. Finn Wold "The effects of covalent post-translational modifications on protein folding"

10:40

Dr. Wieslaw Kudlicki "Chaperone-dependent folding and activation of ribosome-bound newly synthesized rhodanese"

12:00-1:00 **Lunch (Box lunches)**