

# Annual AUSTIN SPRING MEETING

*In vivo and in vitro* Protein Folding

March 31 - April 2, 1995



Department of Microbiology  
The University of Texas at Austin



Radisson Hotel - Austin, Texas

**AUSTIN SPRING MEETING**

**"*IN VIVO* AND *IN VITRO*  
PROTEIN FOLDING"**

**March 31-April 2, 1995**

**Radisson Hotel - Austin, Texas**

**S P O N S O R E D B Y**

**Ambion Incorporated**

**Fisher Scientific**

**Promega Corporation**

**Qiagen**

**The Protein Society**

**Texas A & M University, College Station**

**Department of Biochemistry**

**Department of Medical Biochemistry**

**Institute of Biosciences and Technology at Houston**

**The University of Texas at Austin, Austin**

**College of Natural Sciences**

**Department of Microbiology**

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# AUSTIN SPRING MEETING

## IN VIVO AND IN VITRO PROTEIN FOLDING

March 31 - April 2, 1995 - Radisson Hotel on Town Lake - Austin, Texas

Friday, March 31

4:00-6:00 PM, Registration - Mezzanine A

6:00 PM, Dinner - Forum I, II, III

7:15-8:40 PM, SESSION 1 - Refolding - Brazos/Nueces/Colorado

1. David Goldenberg (University of Utah, Salt Lake City) - "The BPTI Folding Pathway: Recent Insights from Mutational Analysis"
2. David Shortle (Johns Hopkins University School of Medicine, Baltimore, MD) - "Initial Studies of the Equilibrium Folding Pathway of Staphylococcal Nuclease"

8:40-8:55 PM, Coffee Break

8:55-10:15 PM

3. Jonathan King (Massachusetts Institute of Technology, Cambridge, MA) - "Suppressors of Temperature Sensitive Folding Mutants in the Parallel B-coil Tailspike Protein"
4. Paul Horowitz (University of Texas Health Science Center, San Antonio) - "The Potential Role of the Flexibility of cpn60 in Chaperonin Assisted Folding"

Saturday, April 1

7:15 AM, Breakfast - Forum I, II, III

SESSION 2 - Nascent Chain Folding - Brazos/Nueces/Colorado

8:30-9:50 AM

1. Elizabeth Craig (University of Wisconsin, Madison) - "In vivo Roles of Hsp70s"
2. George Lorimer (DuPont, Wilmington, DE) - "Chaperonin-Facilitated Protein Folding: Interactive Annealing"

9:50-10:10 AM, Coffee Break

10:10-11:30 AM

3. Arthur Johnson (Texas A&M University, College Station) - "The Environment of Ribosome-bound Nascent Secretory Proteins during Translocation through the ER Membrane"
4. Boyd Hardesty (University of Texas, Austin) - "Chaperone-Mediated Folding of Nascent Proteins on Ribosomes"

11:45 AM, Lunch - San Antonio/Rio Grande

**SESSION 3 - Theory - Brazos/Nueces/Colorado**  
**1:00-3:00 PM**

1. **Ken Dill** (University of California, San Francisco) - "Modelling the Structures and Cooperativities in Proteins"
2. **Julian Tirado-Rives** (Yale University, New Haven, CT) - "Computer Simulation of Thermal and Urea-Induced Protein Denaturation"
3. **Jane Richardson** (Duke University Medical Center, Durham, NC) - "Designed Protein Structures - How Well Do They Fold?"

**3:00-5:00 PM, Posters Attended by Authors - Forum I, II, III**

**5:00 PM, Leave for LCRA boat dock/Dinner on the Riverboat Commodore**  
(boat leaves dock at 5:30 p.m., returns between 8:15 and 8:30)

**Sunday, April 2**

**7:15 AM, Breakfast - Forum I, II, III**

**SESSION 4 - Biotechnology/Structural Biology - Brazos/Nueces/Colorado**  
**8:30-9:50 AM**

1. **Reiner Rudolph** (Boehringer Mannheim, Penzberg, Germany) - "New Methods for Successful *in vitro* Folding of Inclusion Body Proteins"
2. **Jeff Kelly** (Texas A&M University, College Station) - "Protein Denaturation and Amyloid Diseases"

**9:50-10:10, Coffee Break**

**10:10-11:30 AM**

3. **David Brems** (Amgen, Thousand Oaks, CA) - "The Multiple Conformational States of Insulin"
4. **Ronald Wetzel** (Smith Kline Beecham, King of Prussia, PA) - "Molecular Basis for Mutational Effects in Off-Pathway Aggregation of Proteins"

**12:00 NOON, Lunch - San Antonio/Rio Grande**