

12th Annual Structural Biology Symposium

PROGRAM

12th Annual Sealy Center for Structural Biology Symposium
May 18-19, 2007
The University of Texas Medical Branch, Galveston, Texas

Friday, May 18, 2007

- 11:00am-1:00pm Registration (Levin Hall Foyer)
Poster Mounting
- 1:00pm-1:15pm Welcome Address & Opening Remarks
Garland D. Anderson, M.D.
Dean, School of Medicine, UTMB
- Introduction to Keynote Address
Henry F. Epstein, M.D.
Chairman, Department of Neuroscience and Cell Biology, UTMB
- 1:15pm-2:15pm Keynote Address
"Regulation of the Cell's Dynamic City Plan and the Myosin Family of Molecular Motors"
James A. Spudich, Ph.D.
Douglass M. and Nola Leishman Professor of
Cardiovascular Disease
Stanford University Medical Center

Chair: E. Brad Thompson, M.D.

- 2:20pm-3:00pm *"Eukaryotic Gene Regulation as Studied in Yeast"*
Mark S. Ptashne, Ph.D.
Head, Gene Regulation Laboratory
Memorial Sloan-Kettering Cancer Center
- 3:00pm-3:30pm Break (Foyer) and Posters
- 3:30pm-4:10pm *"NMR and Chemical Biology Approaches for Elucidating the Assembly and Function of the Eukaryotic Translation Initiation Complex"*
Gerhard Wagner, Ph.D.
Elkan R. Blout Professor
Department of Biological Chemistry and Molecular Pharmacology
Harvard Medical School
- 4:15pm-4:55pm *"Physical Picture of Target Search Process in Protein-DNA Interactions"*
Junji Iwahara, Ph.D.
Assistant Professor
Dept. of Biochemistry & Molecular Biology
University of Texas Medical Branch
- 5:00pm-7:00pm Reception (Foyer) and Posters

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Saturday, May 19, 2007

8:30am-9:00am Registration (Levin Hall Foyer)

Chair: Werner Braun, Ph.D.

9:00am-9:40am *"Dynamical and Mechanical Processes in Macromolecular Assemblies"*

Charles L. Brooks, III, Ph.D.

Professor

Department of Molecular Biology

The Scripps Research Institute

9:45am-10:25am *"Novel Methods for Refining X-ray Crystallographic Data of Supramolecular Complexes"*

Jianpeng Ma, Ph.D.

Associate Professor

Verna and Marrs McLean Department of Biochemistry

And Molecular Biology

Baylor College of Medicine

10:30am-10:50am Break and Posters

Chair: Catherine H. Schein, Ph.D.

10:50am-11:30am *"Molecular Structure of Amyloid and Prion Fibrils: Insights from Solid State NMR"*

Robert Tycko, Ph.D.

Senior Investigator

Laboratory of Chemical Physics

NIDDK - National Institutes of Health

11:35am-12:15pm *"Structural Studies of Aggregates"*

Roland Riek, Ph.D.

Associate Professor

Structural Biology Laboratory

The Salk Institute for Biological Studies

12:20pm-1:20pm Lunch (Dining Room) and Posters

Chair: Kay Choi, Ph.D.

1:20pm-2:00pm *"Pleiomorphic Viruses: Variable Structures and Conserved Functions"*

Alasdair C. Steven, Ph.D.

Chief

Laboratory of Structural Biology Research

NIAMSD - National Institutes of Health

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Saturday, May 19, 2007 (continued)

- 2:05pm-2:45pm *"Structural and Molecular Studies of Flavivirus Biology"*
Richard J. Kuhn, Ph.D.
Department Head
Department of Biological Sciences
Purdue University
- 2:50pm-3:30pm *"Structural Studies of Tumor Herpes viruses by Cryo-Electron Microscopy and Tomography"*
Z. Hong Zhou, Ph.D.
Associate Professor
University of Texas Health Science Center at Houston
- 3:30pm-3:45pm Break
- Chair: Marc Morais, Ph.D.
- Presentations of Selected Graduate Students' Abstracts
- 3:45pm-4:00pm Wei Dai, Baylor College of Medicine, Houston
- 4:00pm-4:15pm Ying Liu, Rice University, Houston
- 4:15pm-4:30pm Li Zhang, Texas A&M University, College Station
- 4:30pm-4:45pm Announcement of Top Three Poster Winners for both Graduate Students and Post-Doctoral Fellows
E. Czerwinski, Ph.D., Chair, Poster Jury Committee
- 4:45pm-6:00pm Reception (Dining Room) and Posters
- 7:00pm **Banquet**
Fisherman's Wharf, Pier 22 & Harborside Drive, Galveston
Concluding Remarks

**HOPE TO SEE YOU NEXT YEAR AT THE 13TH
ANNUAL SCSB SYMPOSIUM ON
MAY 16TH & 17TH, 2008.**