



A Joint Program of Rice University,
Baylor College of Medicine, University of Houston,
University of Texas Health Science Center at Houston,
University of Texas Medical Branch at Galveston, and
University of Texas M. D. Anderson Cancer Center

John S. Dunn, Sr. Gulf Coast Consortium for Magnetic Resonance

2009 Conference on

Protein Dynamics and Aggregation in Health and Disease: Imaging Tissues, Cells, and Molecules

Friday, February 6, 2009

- 5:00 pm Poster set-up
- 6:00 pm Registration, check-in, reception, and poster viewing
- 7:00 pm Dinner buffet
- 8:00 pm Keynote Address
A tale of two proteins: Conformational dynamics in ribonuclease H and type II cadherin 8
Arthur G. Palmer, III, Ph.D., Biochemistry and Molecular Biophysics, Columbia University

Saturday, February 7, 2009

- 8:00 am Registration, check-in, and continental breakfast
- 8:30 am *Welcome and Introductions*
David G. Gorenstein, Ph.D., University of Texas Health Science Center at Houston
- 8:45 am *MRI detection of the migration of magnetically labeled immune cells in inflammation and autoimmune diseases*
Joseph A. Frank, M.D., Experimental Neuroimaging Section, Laboratory of Diagnostic Radiology Research, Clinical Center, National Institutes of Health
- 9:45 am *MRI's role in the modern diagnosis and management of MS*
Jerry S. Wolinsky, M.D., University of Texas Health Science Center at Houston
- 10:30 am Networking break
- 11:00 am *Seeing the Invisible by Solution NMR Spectroscopy*
Lewis E. Kay, Ph.D., University of Toronto
- 12:00 pm *Clean STD-NMR Spectrum for Improved Detection of Ligand-Protein Interactions with Low Concentration Protein*
Youlin Xia, University of Houston
- 12:15 pm Lunch and poster viewing / judging
- 1:45 pm *Ang-1 Reduces Blood-Spinal Cord Barrier Permeability and Lesion Volume in the Acute Phase of Spinal Cord Injury: MRI and Histological Studies*
Chirag B. Patel, M.S.E., University of Texas Health Science Center at Houston
- 2:00 pm *¹H MR Spectroscopy Markers of Alzheimer's Disease*
Kejal Kantarci, M.D., Mayo Clinic
- 3:00 pm *Kinetics of macromolecular interactions by NMR*
Junji Iwahara, Ph.D., University of Texas Medical Branch at Galveston
- 3:45 pm Round table discussion
- 4:00 pm Closing

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