“LIFE IN RESONANCE”
A Scientific Symposium to
Honor the Memory and Scientific Contributions
of John S. Leigh, Ph.D.

Friday, September 12, 2008
Dunlop Auditorium

i) Introduction
R. Nick Bryan, M.D., Ph.D.
Stanley Baum, M.D.

ii) Jack Growing up in Science
Britton Chance, Ph.D.
Mildred Cohn, Ph.D.

Session I: EPR/Photosynthesis
Chair: Les Dutton, Ph.D.

1) George Reed, Ph.D.
“Jack's Early Contributions: Magnetic Interactions of Electron Spins and Nuclear Spins from Pake Patterns to Relaxation Effects”

2) Jim Norris, Ph.D.
“Exploring Pathways in Bacterial Photosynthesis with One and Two-Electron Spin Resonance”.

Break

Session II: NMR Spectroscopy
Chair: Walter Englander, Ph.D.

3) Joanne Ingwall, Ph.D.
“Creatine Kinase Kinetics in Muscle: Magnetization Transfer Studies”

4) Lizann Bolinger, Ph.D.
"A Brief History of Metabolic Mapping with Magnetic Resonance."

Lunch: 12:30 pm to 2:00 pm

Session III: MR Techniques
Chair: Ravinder Reddy, Ph.D.

5) Jim Pekar, Ph.D.
"What Do Two Pulses Do?" The Discovery of Relaxation-Allowed Multiple-Quantum Coherence in Sodium-23"

6) John Detre, M.D.
“Perfusion Imaging”
Session IV: Optical Imaging/Contrast Agents 3:00 pm
Chairs: Mitchell Schnall, M.D., Ph.D. / Jerry Glickson, Ph.D.

7) Perry Renshaw, M.D., Ph.D.
"Macromolecular MR Contrast Agents"
8) Bruce Tromberg, Ph.D.
TBD
9) John Schotland, M.D., Ph.D.
“Optical Tomography, Inverse Problems and Jack's Legacy in Applied Math”

Reception Immediately Following
Location: 14th Floor BRB 11/111