Sunday, September 17th, 2006

7:00—7:45 a.m. **Registration and Continental Breakfast**

7:45—8:00 a.m. **Welcome and Introduction**
Rahim R. Rizi, Ph.D.

Moderator: Jerry Glickson

8:00—8:10 a.m. **Role of the NIH Roadmap in the Development of Novel Molecular Imaging Probes**
Alan McLaughlin, Ph.D.
NIH/NIBIB

8:10—8:50 a.m. **Insights into Cancer Pathogenesis Using Carbon-13 NMR**
Craig Thompson, M.D.
University of Pennsylvania

8:50—9:30 a.m. **^{13}C Tracers of Metabolism in Cells, Animals & Humans**
A. Dean Sherry, Ph.D.
University of Texas, Southwestern

9:30—9:45 a.m. **Questions and Answers**

9:45—10:00 a.m. **Refreshment Break**

Moderator: Warren Warren

10:00—10:30 a.m. **New Dimensions in Real Time Metabolic Imaging**
Klaes Golman

10:30—11:00 a.m. **Hyperpolarization of Molecules in Solution by Solid State DNP**
Jan Henrik Ardenkjr-Larsen
GE Healthcare System

11:00—11:30 a.m. **^{1}H-^{13}C in the Solid State, and INEPT Polarization Transfer Experiments in the Liquid State**
Jan Wolber, Ph.D.
GE Healthcare Biosciences

12:00—12:30 p.m. **PASADENA: Twenty Years Young**
Daniel P. Weitekamp, Ph.D.
California Institute of Technology

11:30—12:00 p.m. **Hyperpolarization of Carbon-13 with Parahydrogen Technique**
Joachim Bargon, M.D., Ph.D.
Bonn University

12:30—1:15 p.m. **Lunch**

Moderator: Masaru Ishii

1:15—1:45 p.m. **Real Time Metabolic Imaging in Practice; Hyperpolarized Carbon-**

	13 Imaging of Cardiac Muscle Metabolism Per Akeson, M.D., Ph.D. Malmö University Hospital, Sweden
1:45—2:15 p.m.	**Application of Carbon-13 in Cancer Detection** Jerry Glickson, Ph.D. University of Pennsylvania
2:15—2:45 p.m.	**Metabolic Adaptations During Insulin Resistant States** Morris Birnbaum, M.D., Ph.D. University of Pennsylvania
2:45—3:00 p.m.	**Questions and Answers**
3:00—3:15 p.m.	**Break**

Moderator: Steve Kadlecek

3:15—3:45 p.m.	**Metabolomic Imaging in Disease Diagnosis** Leo Cheng, M.D. Harvard University
3:45—4:15 p.m.	**Polarization Transfer from Polarized Carbon-13 to Other Nuclei** Stephen J. Kadlecek, Ph.D. University of Pennsylvania
4:15—4:45 p.m.	**Utilization of Parahydrogen in Magnetic Resonance Experiments** Simon B. Duckett, Ph.D. University of York, UK
4:45—5:15 p.m.	**New Developments in *In-vitro* DNP-NMR** Damir Blazina Oxford Instruments
5:15—5:45 p.m.	**Questions and Answers**
5:45—6:00 p.m.	**Concluding Remarks** Rahim R. Rizi, Ph.D.