Agenda for TBIC Retreat
Tuesday, May 29, 2007
BRB II/III Auditorium

8-8:30  Continental Breakfast

8:30   Introduction / Role of Imaging in Translational Medicine
       Mitchell D. Schnall, MD, PhD

Cancer

8:45   MRI/CT Approaches to Anatomic and Functional Imaging of Cancer
       Mark A. Rosen, MD, PhD (Radiology)

9:00   Molecular Imaging to Characterize and Guide Cancer Therapy
       Chaitanya Divgi, MD (Radiology)

9:15   MRI Spectroscopy in the Characterization of Cancer and Cancer Response
       E. James Delikatny, PhD (Radiology)

9:30   Imaging Assessment of Brain Tumors
       Elias R. Melhem, MD, PhD (Radiology)

9:45   Imaging in Early Phase Cancer Clinical Trials
       Peter J. O’Dwyer, MD (Oncology)

10:00  Imaging in Drug Development
       William M. Lee, MD, PhD (Oncology)

10:15  Discussion

10:30  Coffee Break

Cardiovascular

10:45  Quantitative Imaging of Cardiac Anatomy and Function
       Harold I. Litt, MD, PhD (Radiology)

11:00  Molecular Imaging in the Cardiovascular System
       Rong Zhou, PhD (Radiology)

11:15  Vascular Plaque Characterization with Imaging
       Ronald L. Wolf, MD, PhD (Radiology)

11:30  Discussion

11:45  Lunch
Optical Imaging:

12:45
Optical Imaging in the Detection and Characterization of Breast Cancer
Regine Choe, PhD (Physics)

1:00
Overview of the Regional Laser and Biomedical Technology Laboratories
Thomas Troxler, PhD (Chemistry)

1:15
Optical Probes for Measuring Tissue Oxygenation
Sergei Vinogradov, PhD (Biochemistry & Biophysics)
Discussion

Functional Neuro

1:45
Functional Neuroimaging with MRI
John Detre, MD (Neurology)

Molecular Neuroimaging
Andy Newberg, MD (Radiology)

2:15
Quantitative Morphometrics
James Gee, PhD (Radiology)

2:30
Approaches to Imaging Psychiatric Disorders
Ruben Gur, PhD (Psychiatry)

Imaging Opportunities in Addiction Research
Anna Rose Childress, MD (Psychiatry)

3:00
Discussion and Conclusion

Course Directors:
Mitchell D. Schnall, MD, PhD
Chaitanya Divgi, MD
James Gee, PhD
Tim Roberts, PhD