

AGENDA
NTROI Retreat June 22-24, 2006
Hyatt Regency Newport Beach

Thursday June 22, 2006

Terrace Arbor/Terrace Ballroom

2:00-5:30 pm Reception and Poster Viewing

5:30-6:30 pm Dinner

Introductory Comments: Bruce Tromberg

6:30-7:00 pm: **Optical Fluorescence Imaging of Breast Cancer**, Leon Bakker, Philips Research

7:00-7:30 pm: **Spatial and spectral data in optical mammography**, Sergio Fantini, Tufts University

Friday June 23, 2006

Terrace Arbor/Terrace Ballroom

7:30-8:00am: Continental breakfast

Standardization and Software Post-processing

Chair: Fred Azar, Siemens Corporate Research

8:00-8:15 am: **Introduction**, Bruce Tromberg and Fred Azar

8:15-8:30 am: **Dartmouth College Presentation**, Brian Pogue

8:30-8:45 am: **University of Pennsylvania, Yodh Group**, Kijoon Lee

8:45-9:00 am: **University of Pennsylvania, Chance Group**, Regine Choe

9:00-9:15 am: **Massachusetts General Hospital**, Qianqian Fang

9:15-9:45 am: **University of California, Irvine and San Francisco**, Catherine Klifa

Coffee Break and Poster Viewing 9:45 am to 10:00 am

10:00-10:30 am: **OMIRAD Platform: Latest Post-processing Developments**, Fred Azar

10:30-11:00 am: **SciPort Platform: Managing experiment data, State-of-the-Art**, John Pearson

Discussion 11:00 am to 11:30 am

Lunch and Poster Viewing 11:30 am to 12:30 pm

Instrumentation

Chair: Albert Cerussi, University of California, Irvine

12:30-1:00 pm: **Multi-Frequency Diffuse Optical Tomography (MF-DOT) & MRI: A Hybrid System for Dynamic Imaging of Cancer**, Gultekin Gulsen

1:00-1:30 pm: **Recent progresses of combined X-ray/diffuse optical tomographic breast imaging system and clinical data analysis at Massachusetts General Hospital**, Qianqian Fang

1:30-2:00 pm: **Implications of performing optical imaging under mammographic compression – changes in the physiological state of the breast and potential novel optical cancer markers**, Stefan Carp

2:00-2:30 pm: **Development of a non-contact optical scanning system for frequency domain spectroscopy of tissues**, Enrico D'Amico

Coffee Break and Poster Viewing 2:30 pm to 3:00 pm

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Translational

Chair: Brian Pogue, Dartmouth College

3:00-3:30 pm: **Intrinsic markers revealed by a novel analysis of near-infrared spectra of breast tumors**, Shwayta Kukreti

3:30-4:00 pm: **Overview of the Neoadjuvant Chemotherapy Imaging at Dartmouth**, Shudong Jiang

4:00 - 4:20 pm: **Breast Cancer Contrast from Diffuse Optical Tomography and Correlation Spectroscopy in Characterization and Therapy Monitoring**, Regine Choe

4:20 - 4:40 pm: **Recent Work in Diffuse Optical Tomography: Correlation with PET and the Use of Large Data Sets**, Soren Konecky

4:40-5:10 pm: **Variations in Chemotherapy Response during the First Week**, Albert Cerussi

Dinner 5:30 pm to 8:00 pm

7:00-9:00 pm: **Planning for Multi-Center Clinical Trial Meeting**

Saturday June 24, 2006

Terrace Arbor/Terrace Ballroom

8:30-10:00 am: Continental breakfast, wrap up and Poster Viewing

8:30-10:00 am: Executive Committee Meeting and Conference Call

Poster Breakdown

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Friday June 23, 2006
 7:00pm-9:00pm
 Multi-Center Clinical Trial Planning Agenda

List of NTROI protocols:

University of California, Irvine			
IRB #	Title	PI	Review Level
1995-563	Measurements of Breast Tissue Optical Properties	Bruce Tromberg	Full
2002-2306	UCI 02-10: Monitoring the Response of Chemotherapy on Breast Cancer Tumors by Photon Migration Spectroscopy	David Hsiang	Expedited
2005-4760	Monitoring menstrual cycle functional variations in DOS	Bruce Tromberg	Expedited
University of California, San Francisco			
H7987-21608-01A	Measurements of Breast Tissue Optical Properties	Nola Hylton	Expedited
MGH			
IRB #	Title	PI	Review Level
2002-P-0013141	Structural MRI and Optical Breast Imaging	David Boas	Expedited
1999-P-010998/7	Tomographic Optical Breast Imaging (TOBI)	Daniel Kopans	Full
2003-P-100135	Optical Properties During Dynamic Breast Compression	Rafferty	Expedited
University of Pennsylvania			
IRB #	Title	PI	Review Level
802090 (replaces 204600)	In vivo diffuse optical tomography of the human breast coregistered with MRI	Britton Chance	Expedited
803468	Fast Optical Imager for Tumor Detection	Shoko Nioka	Full
700394	Parallel Detection and Computation for Diffuse Optical Tomography of Breast	Arjun Yodh	Full
Dartmouth			
IRB #	Title	PI	Review Level
12832	Alternative Breast Imaging Modalities	Steven Poplack	Full

Attachment:

Copy of DOD Clinical Translational Research Award Proposal (minus biosketches)