

TUESDAY, JUNE 17, 2008

A G E N D A

8:00 AM - 9:00 AM - REGISTRATION & BREAKFAST - SECOND FLOOR ATRIUM

SESSION I

Boston University's Photonics Integration with Biology and Medicine - Room 206

9:00 AM - Dr. Selim Unlu - SESSION INTRODUCTION

9:05 AM - Dr. Andrei Ruckenstein - PHOTONICS AT BOSTON UNIVERSITY

9:20 AM - Dr. Karen Antman - OVERVIEW ON PHOTONICS IN MEDICINE

9:45 AM - Dr. Thomas Geisbert - EBOLA AND MARBURG VIRUSES: CONTAINMENT, PATHOGENESIS AND DEVELOPMENT OF COUNTERMEASURES.

10:10 AM - 10:30 AM - BREAK - SECOND FLOOR ATRIUM

SESSION II

Bioimaging - Room 206

10:30 AM - Dr. Irving Bigio - SESSION INTRODUCTION

10:35 AM - Dr. Dennis Matthews - DIRECTOR OF CBST

11:00 AM - Dr. Shyam Erramilli - ULTRAFAST PUMP-PROBE STUDIES OF PHOTOACTIVE PROTEINS AND MEMBRANES

11:25 AM - Dr. Peter So - ADVANCES IN HIGH RESOLUTION, HIGH CONTENT OPTICAL BIOMOLECULAR IMAGING

12:00 PM - 1:15 PM LUNCH - ROOM 906

1:15 PM - GRADUATE POSTER SESSION / DESSERT AND ESPRESSO BAR

SESSION III

Biophotonics Research and Integration - Room 206

2:15 PM - Dr. Bennett Goldberg - SESSION INTRODUCTION

2:20 PM - Dr. BJÖRN Reinhard - ACTIVE NANOSTRUCTURES BASED ON PLASMON COUPLING: APPLICATIONS IN BIOLOGICAL SENSING AND SINGLE MOLECULE BIOPHYSICS.

2:45 PM - Dr. Brian Wilson - NEW STRATEGIES IN PHOTODYNAMIC THERAPY EXPLOITING ALTERNATIVE PHYSICS, CHEMISTRY AND BIOLOGY PATHWAYS

3:15 PM - 3:35 PM - BREAK - SECOND FLOOR ATRIUM

SESSION IV

Biodetection - Room 206

3:35 PM - Dr. Lawrence Ziegler - SESSION INTRODUCTION

3:40 PM - Dr. Lee Goldstein - PHOTONICS MEETS ALZHEIMER'S DISEASE: LASER-BASED MOLECULAR DIAGNOSTIC TECHNOLOGY FOR EARLY DISEASE DETECTION

4:05 PM - Dr. Hatice Altug - IN-VIVO CELLULAR RESPONSE TO DRUG THERAPY

4:30 PM - Dr. Thomas Bifano - SYMPOSIUM CONCLUSION

4:40 PM - RECEPTION - SECOND FLOOR ATRIUM