

Biophotonics Symposium

Terahertz Waves in Biophotonics

Light Interactions with Biological Structures

Laser Doppler Flowmetry w/Diffuse Reflectance Spectroscopy

Friday, 29 June 2012 • 148 Briggs Hall, UC Davis

Tentative Agenda

10:00 – 11:30 AM *Tour of CBST Oak Park Research Facility at UC Davis Medical Center (Sacramento)*

12:00 – 01:00 PM Welcome, Opening Remarks & Lunch

R. Holland Cheng, Ph.D. **Frank Chuang, M.D., Ph.D.**

Professor, Molecular & Cellular Biology

Adj. Asst. Professor & Associate Director, CBST

01:00 – 02:45 PM *Advances in Terahertz Biomedical Applications*

Koichiro Tanaka, Ph.D. Kyoto University, Japan

Joo-Hiuk Son, Ph.D. University of Seoul, Korea

Gerald Wilmink, Ph.D. Air Force Research Laboratory, USA

02:45 – 03:00 PM Coffee Break

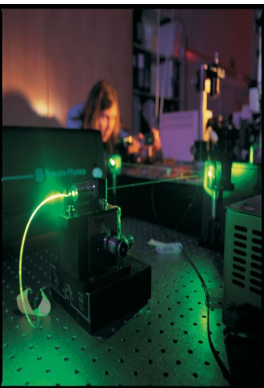
03:00 – 04:45 PM *Light Interactions with Biological Structures*

Benjamin Chu, Ph.D. SUNY Stony Brook, USA

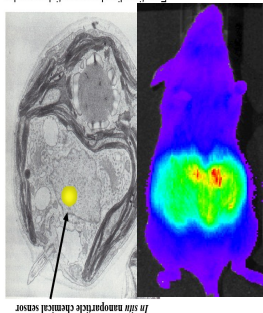
Tomas Strömberg, Ph.D. Linköping University, Sweden

Yin Yeh, Ph.D. UC Davis, USA

04:45 – 05:30 PM *Open Discussion – Future Collaborations*



Functionalized nanoparticles can be incorporated into cells for localized sensing of metabolic activity and signaling processes.



In situ nanoparticle chemical sensor



Technical questions please contact Frank Chuang at fchuang@ucdavis.edu

Administrative questions please contact Tania Miller at tania.miller@cbst.ucdavis.edu