UCLA

ELECTRICAL ENGINEERING BIOPHOTONICS WORKSHOP

October 24, 2008 **8:30am-4:30pm** **Engr IV 54-134**

Speakers:

Bahram Jalali, UCLA
"Real-time Spectroscopy and Imaging using Amplified Dispersive Fourier Transform"

Olav Solgaard, Stanford
"In-vivo imaging with MEMS confocal microscopes"

Peter So, MIT
"Imaging intracellular Protein Binding During Mechanotransduction"

Eric Chiou, UCLA
"Plasmonic Photothermal Cell Surgery"

Changhuei Yang, Caltech
"Novel Optical Approaches for Biomedical Applications – From dime-size microscopes to time-reversal based suppression of tissue turbidity"

Fatih Yanik, MIT
"High-throughput on-chip in vivo small-animal screening using microfluidics and femtosecond laser nano-surgery for drug/genetic discoveries in neural regeneration"

Luke Lee, UC Berkeley
"Nanoplasmonic Biophotonics for Nanomedicine"

Alberto Bilenca, Harvard
"Fluorescence Coherence Microscopy: From mesoscopic- to nanometric- scale optical resolution"

Dale Capewell, IRIS
"IRIS's perspective on medical diagnostics"

Aydogan Ozcan, UCLA
"A new tool for TeleMedicine: Lensfree On-Chip Imaging for High-throughput Cytometry and Point-of-care Diagnostics"

*Send RSVPs to mariko@ea.ucla.edu *Registration begins at 7:30am
*Lunch will be served, please inform us of your dietary restrictions
*Organizer: Prof. Aydogan Ozcan – Contact: ozcan@ee.ucla.edu