

Lester Wolfe Workshop in Laser Biomedicine

“Optics for the developing world: Point-of-Care low cost diagnostics”

The wide availability of modern technology including iPhones and similar powerful devices has provided a platform for inexpensive point-of care diagnostics that may benefit the developing world. This workshop will highlight some contributions of biomedical optics to these applications

Smartphone based Molecular Diagnostics- from personalized vitamin and cholesterol monitoring to cancer diagnostics in the developing world

David Erickson, Cornell University

Looking around corners with Trillion Frames per second imaging and projects in Eye-Diagnostics on a mobile phone

Ramesh Raskar, Massachusetts Institute of Technology

How to correct your own vision for about \$1 and adaptive optical approach with a global application

Joshua Silver, University of Oxford

Computational Microscopy, sensing and diagnostics for telemedicine and global health applications

Aydogan Ozcan, University of California, Los Angeles

Tuesday, November 19, 2013, 3:30-6:00 PM
Massachusetts Institute of Technology
Grier Room, 34-401
77 Massachusetts Avenue, Cambridge

Refreshments served at 3:00 PM

Sponsored by the MIT Laser Biomedical Research Center, Chemistry Department, MIT; MGH Wellman Center for Photomedicine; Harvard—MIT Division of Health Sciences and Technology