

## Lester Wolfe Workshop in Laser Biomedicine

# “Optofluidics: moving things with light at the nanoscale”

---

The rise of nanotechnology has led to a great need to move nanoscaled objects in a reliable and non-invasive manner. As light has a wavelength in nanometers it is ideally suited for this task. This workshop will cover examples of this ground-breaking technology applied to nanoparticles, microfluidics, neutrophil migration, and neuroscience.

---

### **Manipulating micro and nanoparticles using the optical forces from plasmonic and photonic nanostructures**

*Kenneth Crozier, Harvard University*

### **Leukocytes in action: Measuring Neutrophil migration in health and disease**

*Daniel Irimia, Massachusetts General Hospital*

### **Microfluidic technologies: Where we are, and some future grand challenges**

*Roger Kamm, Massachusetts Institute of Technology*

### **Advanced High-throughput technologies for Neuroscience**

*Mehmet Faith Yanik, Massachusetts Institute of Technology*

---

Tuesday, December 18, 2012 3:45-6:00 PM

Massachusetts Institute of Technology

Grier Room, 34-401

77 Massachusetts Avenue, Cambridge

Refreshments served at 3:30 PM

Sponsored by Chemistry Department, MIT, MGH Wellman Laboratories, the Harvard-MIT Division of Health Sciences and Technology, and the Center for the Integration of Medicine and Innovative Technology (CIMIT)