## The KAVLI NANOSCIENCE INSTITUTE [KNI] at Caltech



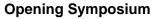












# The Next Generation of Medical Diagnostics: Applications of Nanotechnology

Tuesday, March 4, 2008 9 am Ribbon Cutting – Steele Lab 10:30 am Symposium – Millikan Boardroom

Join us as we open our new state-of-the-art cleanroom facility and host a symposium showcasing cutting-edge medical diagnostic research from Caltech labs and beyond

### Speakers include:

#### From Caltech:

**DAVID BALTIMORE**, *Millikan Professor of Biology; Nobel Laureate* **The New Age of Nanoscale Diagnostics** 

MICHAEL ROUKES, Professor of Physics, Applied Physics, and Bioengineering; Co-Founder/Director, Alliance for Nanosystems VLSI

Next-Generation Biological Large-Scale-Integration

NATE LEWIS, George L. Argyros Professor and Professor of Chemistry Breath-Based Diagnostic Detection of Lung Cancer

CHANGHUEI YANG, Assistant Professor of Electrical Engineering and Bioengineering Optofluidic Microscopy: A Method for Building Microscopic Microscopes

SCOTT FRASER, Anna L. Rosen Professor of Biology; Director, Caltech Biological Imaging Center Building Sensors with Single-Molecule Sensitivity

AXEL SCHERER, Bernard A. Neches Professor of Electrical Engineering, Applied Physics, and Physics; Director, Kavli Nanoscience Institute, Caltech Integrated Microfluidic Diagnostic Systems

**JIM HEATH**, Elizabeth W. Gilloon Professor and Professor of Chemistry; Director, NanoSystems Biology Cancer Center

Technologies for Making In Vitro Diagnostics Cheap

#### From USC:

**RICHARD J. COTE, M.D.,** Professor of Pathology and Urology; Director, Biomedical Nanosciences Initiative; USC School of Medicine, Norris Comprehensive Cancer Center

Patient Treatment: The Future of Diagnostic Tools

#### From Industry:

JOSEPH M. BEECHEM, Ph.D., Vice President, Corporate Research Lab & CTO, Invitrogen Corp Single-Molecule, Quantum-Dot-Nanocrystal-Based Medical Diagnostics: Impact on the Future of Medicine

Please use the online registration form at <a href="http://www.kni.caltech.edu/next-generation-2008/">http://www.kni.caltech.edu/next-generation-2008/</a>

Space is limited. Registration is required for lunch.

