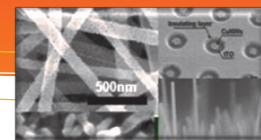




# BIONANOTECHNOLOGY SUMMER INSTITUTE 2011

## University of Illinois at Urbana-Champaign

### July 25 - August 5, 2011



The BioNanotechnology Summer Institute 2011 will introduce participants to the basics of biological and engineering/physical science experimental methods using a hands-on approach. Participants can expect:

#### SPONSORS

- National Cancer Institute (NCI)
- National Institutes of Health (NIH)
- National Science Foundation (NSF)
- Cellular and Molecular Mechanics and BioNanotechnology Integrative Graduate Education and Research Traineeship (CMMB IGERT)
- Midwest Cancer Nanotechnology Training Center (M-CNTC)
- Micro and Nanotechnology Laboratory
- Center for Nanoscale Science and Technology (CNST)

#### ORGANIZING COMMITTEE

- Rashid Bashir**  
Electrical and Computer Engineering, Bioengineering
- Martha L. Gillette**  
Cell and Developmental Biology
- Ann M. Nardulli**  
Molecular and Integrative Physiology
- Stephen G. Sligar**  
Biochemistry, Chemistry, Biophysics
- K. Jimmy Hsia**  
Mechanical Science and Engineering
- Taher A. Saif**  
Mechanical Science and Engineering
- Irfan S. Ahmad**  
Center for Nanoscale Science and Technology
- Valerie Leppert**  
Engineering, University of California, Merced

#### FOR MORE INFORMATION

**Laura A. Miller**  
IGERT and M-CNTC Program Manager  
Micro and Nanotechnology Lab  
1256 MNTL, MC-249  
208 North Wright Street  
Urbana, IL 61801

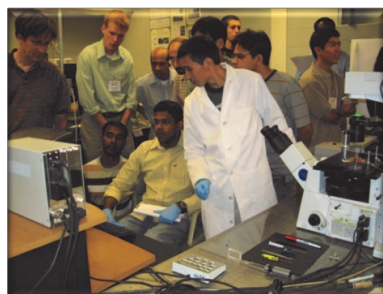
Phone: 217-244-7092  
Fax: 217-214-6375  
E-mail: arriola@illinois.edu

<http://cnst.illinois.edu/bionanoinstitute.html>

<http://m-cntc.illinois.edu>  
<http://cmmb-igert.illinois.edu>

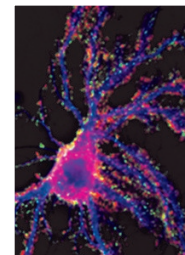
NIH M-CNTC: Midwest Cancer Nanotechnology Training Center

NSF CMMB IGERT: Cellular and Molecular Mechanics and BioNanotechnology



#### Hands-on Laboratory Training in:

- Cancer Cell Biology
- Molecular Biology
- Micro and Nanofabrication
- Microfluidics and Enabling Technologies
- Therapeutic Nanotechnology
- Mechanobiology



#### An Exciting Lineup of UIUC and External Speakers:

**University of Illinois:** Rashid Bashir, Rohit Bhargava, J.J. Cheng, Martha Gillette, Jimmy Hsia, Ann Nardulli, Stephen Sligar, Peter Wang, and others; **University of California Berkeley:** Luke Lee; **Washington University in St. Louis:** Sam Wickline; **National University of Singapore:** C.T. Lim

#### Key Lecture Topics:

- Cell and Molecular Biology
- Cancer Cell Biology
- Micro and Nanofabrication
- Microfluidics in Biology and Medicine
- Neuroscience and Microfluidics
- Mechanobiology
- Therapeutic Nanotechnology
- Diagnostic Devices and Nanotechnology
- Nanotechnology Based Imaging in Cancer
- Stem Cell Biology
- Computational Nanomechanics

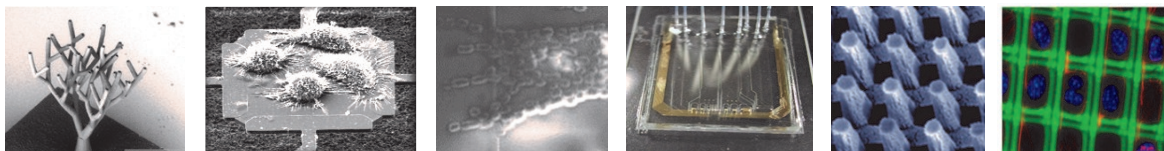


**Workshop Fee: \$1,000 per participant**

**Enrollment is limited to 50 participants and the application deadline is April 30, 2011.**

**For more details and to apply, visit:**

<http://cnst.illinois.edu/bionanoinstitute.html>



CNST University of Illinois Center for Nanoscale Science and Technology



NCI Alliance for **Nanotechnology** in Cancer



**nano@illinois**  
nano solutions for mega problems