

Sponsors

Research Alliance of Missouri
(RAM)

UM-Columbia

UM System

Office of Research

MURR

CAFNR

College of Engineering

School of Medicine

College of Arts and Sciences

Co-Chairs

Kattesh V. Katti

(Co-Chairman; Nanomedicine)

&

Shubhra Gangopadhyay

(Co-Chairwoman; Micro/Nano Technology)

Organizational team Members

Raghuraman Kannan

Kevin Gillis

Sheila Grant

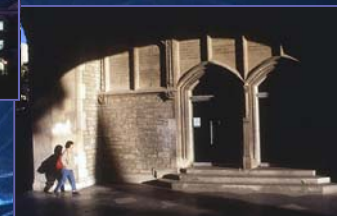
Gabor Forgacs

Mike Greenlief

Conference Administrator

Jeanne Muse (musej@health.missouri.edu)

<http://research.missouri.edu/nano2006/index.htm>



INVITATION TO MO NANO-2006

The 3rd Annual Missouri Nanotechnology Alliance Conference

October 6-7, 2006



University of Missouri-Columbia



“NANOTECHNOLOGY AT THE INTERFACE WITH LIFE SCIENCES AND MATERIAL SCIENCES RESEARCH”

Researchers from academic institutions throughout Missouri and from various other locations from within the US and overseas will discuss and present their work through key note presentations, invited lectures, and poster presentations. Subject matters covered in this meeting include, nanoscience, nanomedicine, pharmaceutical sciences, nanoeducation and materials science. Conference attendees will have the opportunity to interact with scientists and innovators from regional/national industries investing in Nanotechnology at the interface with life sciences and material sciences research. A select set of commercial manufacturers and publication companies will be invited to set up their booths. We look forward to having you in Columbia, MO for this important Nanoscience meeting.

PROGRAM

October 6 (Friday)

Life Sciences Center	
10:30	Registration
11:45	Lunch
Physics Building Room 126	
12:45	Introductory Remarks
1:00	Plenary Talk 1: Dennis Discher, University of Pennsylvania “Stem cell and Nuclear biophysics - Nanomechanical aspects of differentiation”
1:45	Plenary Talk 2: Linda Molnar, NCI/NIH “Transforming Technologies for Cancer Diagnosis, Prevention, and Treatment: Opportunities in Cancer Nanotechnology”
Concurrent Session: Life Sciences and Material Sciences Research	
Life Sciences Center	
Session 1: Life Sciences (Physics Building Room 126)	
Session 2: Material Sciences (Physics Building Room 120)	
2:30	Mansoor M. Amiji, Northeastern U
3:00	Hayat Onyuksel, University of Illinois
3:30	Paresh C. Ray, Jackson State U
4:00	Svetlana Tatic-Lucic, Lehigh U
4:30	POSTER SESSION - LIFE SCIENCES CENTER
Dinner and Lecture (Stotler Lounge, Memorial Union)	
6:30	Drinks and Appetizers
7:30	Opening Remarks: MU Chancellor Brady Deaton
7:40	Plenary Talk: Gregory Lanza, Washington University, St. Louis “Nanomedicine: New Approaches to Old Problems”

October 7 (Saturday)

Life Sciences Center		
7:00	Continental Breakfast	
8:00	Plenary Talk 1: Michael Sheetz, Columbia University “Cellular Sensing of Force and Geometry through Force-dependent Unfolding and Oncogene Phosphorylation”	
8:45	Plenary Talk 2: Yuri Korchev, Imperial College, London “Biomedical Applications of Scanning Ion Conductance Microscopy”	
9:30	Coffee Break	
Concurrent Session: Life Sciences and Material Sciences Research		
Life Sciences Center		
Session 1: Life Sciences (Physics Building Room 126)		Session 2: Material Sciences (Physics Building Room 120)
9:45	Steven Buckner, St. Louis U	Julia Medvedeva, UM-Rolla
10:15	Demir Akin, Purdue U	Ravindra Pandey, Michigan Tech U
10:45	Agnes Ostafin, University of Utah	Sandwip Dey, Arizona State U
11:15	POSTER SESSION - LIFE SCIENCES CENTER	
Life Sciences Center		
12:00	Lunch	
1:00	Plenary Talk: Pulickel M. Ajayan, Rensselaer Polytechnic Institute “Engineering Carbon Nanotube Architectures”	
1:45	Coffee Break	
Concurrent Session: Life Sciences and Material Sciences Research		
Life Sciences Center		
Session 1: Life Sciences (LSC Monsanto Auditorium)		Session 2: Material Sciences (Physics Building Room 120)
2:00	Alex Freeman, Midwest Research Institute	Kartik Ghosh, Missouri State U
2:30	Shantanu Bhattacharya, Purdue U	Placid M. Ferreira, University of Illinois
3:00	Keith Stine, UM-St. Louis	Steve Son, Purdue U
3:30	Coffee Break	
3:45	MO-NANOALLIANCE BUSINESS MEETING	
4:00	POSTER AWARDS	