

NANOFANS FORUM

(Focusing on Advanced Nanobio Systems)

“Bridging Biology and Nanotechnology”

You are cordially invited to participate in the inaugural meeting of the NANOFANS Forum to be held on Friday, March 14, 2008 from 11am-2pm. A box lunch is included.

The goal of this forum is to connect the medical/life sciences/biology and nanotechnology communities. This effort will enable researchers in the biomedical world to understand and appreciate the benefits nanotechnology may offer their particular areas of research.



Dr. Peter Hesketh is a Professor of Mechanical Engineering at Georgia Tech. The ultimate goal of his work is to produce portable, handheld, microchemical and bioanalysis systems - the so called micro-chem-lab-on-a-chip



Dr. Mark Prausnitz is a Professor of Chemical and Biomolecular Engineering at Georgia Tech. His research interests include electroporation for drug and gene delivery, pore-forming peptides for transdermal delivery, theoretical and experimental studies of drug delivery to the eye, and enhanced transfection of plant cells for forestry



Dr. Bruno Frazier is a Professor of Electrical and Computer Engineering at Georgia Tech. His research interests are micromachining, MEMS, micro-/nano-systems technology, biomedical microsystems, and integrated biodetection systems (optical, electrical, acoustic).

AGENDA

- 11:00 - 11:10 - Welcome: Dr. James Meindl (Director, MiRC)
- 11:10 - 11:15 - Speaker Introductions
- 11:15 - 11:55 - **Dr. Peter Hesketh** - “Microfluidics for Magnetic Bead Based Biosensors and Modeling of Dielectrophoresis in Nanobelts.”
- 11:55 - 12:35 - **Dr. Mark Prausnitz** - “Medical Micro- and Nano-Technology: Case Studies in Transdermal Drug Delivery.”
- 12:35 - 1:15 - **Dr. Bruno Frazier** - “Analyzing Biological Cells with Micro/Nano Engineered Systems.”
- 1:15 - 2:00 - Microelectronics Research Center and Cleanroom Tour

Location:

Microelectronics Research Center (Room 102A)
Georgia Institute of Technology
791 Atlantic Drive
Atlanta, GA 30332-0269
For Directions Click <http://www.mirc.gatech.edu/contacts.php>

Please RSVP by March 03, 2008 to reserve your place. For more information please contact our Biomedical Engineering Research Coordinator, Dr. Paul Joseph
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