

# NANOFANS FORUM

(Focusing on Advanced Nanobio Systems)



Dr. Thomas Barker is a Professor of Biomedical Engineering at the Department of Biomedical Engineering at GaTech./ Emory University. Dr. Barker's research focuses on Cell-Extracellular Matrix (ECM) interactions, ECM-directed cell differentiation in regeneration, Pathogenesis, and Mechanobiology.



Dr. Gang Bao is a Professor of Biomedical Engineering at the Department of Biomedical Engineering at GaTech./ Emory University. His research interests are in the areas of Biomolecular Engineering, Bionanotechnology, Molecular Imaging, and Molecular Biomechanics.



Dr. Wilbur Lam has a joint appointment as a Professor of Biomedical Engineering and Pediatrics at GaTech. and Emory University School of Medicine respectively. Dr. Lam's research interests are in Cellular Mechanics, BioMEMs/ Microfabrication, Microfluidics, Hematology (platelet and leukocyte biology, sickle cell disease, thrombosis), Endothelial cell biology, Cancer, Pediatric Medical Devices and Diagnostics.

## "Bridging Biology and Nanotechnology"

You are cordially invited to participate in the Fall 2011 Meeting of the NANOFANS Forum to be held on Friday, October 21, 2011 from 11:00 AM–2:00 PM

*A box lunch is included at no cost to the participants*

### AGENDA

#### Event Focus: Nanomedicine

- 11:00 - 11:10 - **Welcome: Dr. James Meindl (Director, NRC)**
- 11:10 - 11:50 - **Prof. Thomas Barker**  
"Developing Molecular Probes to Nanoscale Structural Perturbations in Regenerative and Pathogenic Microenvironments"
- 11:50 - 12:20 **LUNCH BREAK**
- 12:20 - 1:00 - **Prof. Gang Bao**  
"Engineering Molecular Imaging Probes for Nanomedicine"
- 1:00 - 1:40 - **Prof. Wilbur Lam**  
"*In vitro* Nanomechanical Systems for Studying and Diagnosing Hematologic and Oncologic Disorders"
- 1:40 - 2:00 - **Nanotechnology Research Center Cleanroom Tours**

#### Location:

**Marcus Nanotechnology Building (Rooms 1116-1118)  
Georgia Institute of Technology  
345 Ferst Drive  
Atlanta, GA 30332**

Please RSVP at the e-mail below by October 14, 2011 to make your Lunch reservation (Lunch offered at no cost).

For more information please contact  
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