



3 PARK AVENUE
NEW YORK, NY 10016

For Immediate Release

Contact: Nidyah Sani
Corporate Communications, IBN
Phone: 65 6824 7005
Email: nidyah@ibn.a-star.edu.sg

BIOENGINEERING AND NANOTECHNOLOGY FORUM IN SINGAPORE FEATURES SCIENTIFIC BREAKTHROUGHS FROM THE WORLD'S LEADING RESEARCH INSTITUTIONS

More than 260 international participants convene in Biopolis for SBE's 3rd International Conference on Bioengineering and Nanotechnology

Singapore, August 13, 2007 – Twenty-five international experts will share their new discoveries at the Society for Biological Engineering (SBE)'s 3rd International Conference on Bioengineering and Nanotechnology (ICBN 2007), which is hosted by the Institute of Bioengineering and Nanotechnology (IBN) at Biopolis from August 13 to 15. ICBN 2007's line-up of invited speakers come from leading universities and institutes around the world, including the Massachusetts Institute of Technology, University of California, Los Angeles, Harvard University, California Institute of Technology, University of California, Santa Barbara, University of Washington, Sandia National Labs, Florida State University, ETH Zürich, Max Planck Institute, Duke University, Purdue University, Tokyo Women's Medical University, University of Tokyo, Hong Kong University of Science and Technology, National Tsing Hua University, Jilin University and University of Wollongong.

Conference highlights include:

Over three days, these experts will present scientific breakthroughs in the following areas:

- Drug Delivery Systems and Devices
- Protein and Gene Delivery Systems
- Cell and Tissue Engineering

- Artificial Organs and Implants
- Bio-MEMS and Microbioreactors
- Medical and Biological Devices
- Biosensors and Molecular Diagnostics
- Drug Screening and Pharmaceuticals Synthesis
- Biocatalysis, Organocatalysis and Nanobiotechnology
- Biological and Biomedical Imaging
- Biomimetic and Self-Assembled Materials
- Nanoparticles, Nanocomposites and Nanoporous Materials for Bio-Applications.

Co-sponsored by IBN and SBE, ICBN is the first international conference devoted to the interdisciplinary fields of bioengineering and nanotechnology and their impact at the interface of science, engineering and medicine. Chaired by IBN's Executive Director, Prof Jackie Y. Ying, ICBN 2007 will feature two keynote lectures on its opening day. The first Keynote Lecture on "Designing Nanocrystal Quantum Dots for Biological Imaging" will be delivered by Professor Mounqi Bawendi from the Massachusetts Institute of Technology. Professor Bawendi is one of the original Bell Laboratories' inventors of quantum dots, or fluorescent nanocrystals. His talk will focus on new methods of engineering quantum dots, which provide greater control of their particle size and functionality, thereby allowing them to be used not only for biological imaging, but also for biosensing applications.

The second Keynote Lecture on "NanoSystems Biology and New Technologies for *In Vitro* and *In Vivo* Diagnostics of Cancer" will be presented by Professor James R. Heath from the California Institute of Technology. Professor Heath received his Ph.D. in Chemistry in 1988 from Rice, where he was the principal student involved in the Nobel Prize-winning discovery of C60 and the fullerenes. His talk will focus on network models of human diseases such as cancer, and how these models can be harnessed for information that will help the clinical treatment of the disease. According to Conference Chair Prof Jackie Ying, "ICBN 2007 will feature 25 invited talks, 18 contributed oral presentations and 115 poster presentations. We are excited by the caliber of the invited speakers and the quality of the contributed presentations. We look forward to an excellent program over the next three days."

More than 260 delegates from the USA, UK, Denmark, Germany, Switzerland, Latvia, Australia, Japan, Korea, Iran, India, China, Taiwan, Hong Kong and Singapore, are expected to attend ICBN 2007. Industry support for the conference has also been strong, with over 25 sponsors, exhibitors and advertisers. The first conference in this series was also chaired by Prof Jackie Ying and was held in September 2004 at the Biopolis in Singapore. The second ICBN was held in September 2006 at the University of California, Santa Barbara, USA.

Singapore's Minister for Foreign Affairs, Mr George Yeo, is the Guest-of-Honor at the Official Opening of ICBN 2007 on Monday, August 13, from 9:30am to 10:45am.