

DST Advanced School on Nanoscience and Nanobiology

February 5–16, 2007

Venue: Indian Institute of Science, Bangalore 560 012

Organized by

Indian Institute of Science
Bangalore

Jawaharlal Nehru Centre for
Advanced Scientific Research
Bangalore

National Centre for Biological Sciences
Tata Institute of Fundamental Research
Bangalore

Topics: The school will cover advanced topics in contemporary nanoscience and nanobiology. The topics are divided into lectures in the morning session and practical training in the afternoon session to have hands-on experience in some of the techniques that are employed. These lectures will cover the Synthesis of Nanomaterials, Characterization, Physical and Chemical Properties, Devices, Applications and Nanobiology. The laboratory sessions include Chemical synthesis, Nano-imaging, STM, AFM, Optical profilometry, Electron microscopy, Photolithography and e-bam lithography.

Organizing Committee: Prof. A. K. Sood (IISc), Prof. G. V. Shivashankar (NCBS), Prof. G. U. Kulkarni (JNCASR), Prof. N. Jayaraman (IISc), Prof. N. Ravishankar (IISc), Prof. P. S. Anil Kumar (IISc)

How to apply: Those interested in participating in this school should send their applications to the address given below (preferably by e-mail) giving their name, address, date of birth, e-mail address, academic qualifications, research experience and publication list. Ph.D. students should arrange a reference letter (e-mailed by the supervisor). The soft or hard copy of the application should reach latest by **15th December 2006**. The selected participants will be informed by **31st December 2006**.

Target Participants: The target participants are mainly Ph.D. students, Post-docs and Young Faculty members working in the area of Nanoscience, Nanotechnology or Nanobiology. As far as possible, financial support for train travel (AC III Tier), boarding and lodging will be provided to participants. The total number of participants is limited to 40.

Contact: Coordinator, DST Advanced School on Nanoscience and Nanobiology, Department of Physics, Indian Institute of Science, Bangalore 560 012. e-mail: nsnb@physics.iisc.ernet.in; url: <http://www.physics.iisc.ernet.in/~nsnb>



DBT sponsored Training Workshop on

*'Plant Tissue Culture, Genetic Transformation, and Genome Analysis with
Molecular Markers and PCR Walking'*

4th to 23rd December 2006, The Energy and Resources Institute, New Delhi

About the Workshop

This training course module is designed to provide the participants exposure to the latest biotechnological tools, techniques and scientific concepts through a blend of theoretical and 'hands-on' training activities.

Themes to be covered

- Modes of *in vitro* multiplication
- *Agrobacterium* mediated transformation
- Introduction to basic molecular biology techniques
- Overview of molecular markers – Application of ISSR, AFLP, STMS and SCAR markers in germplasm conservation
- PCR walking and its applications
- Biotechnology and biosafety
- IPR issues in biotech research

Who can apply: Faculties undertaking post-graduate courses in life sciences and holding regular positions

Last date for registration: November 20th, 2006

For further details, please contact:

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