DBT sponsored Training Workshop on
‘Molecular Biology: Tools, Techniques and Technological Interventions’
5th to 17th February 2007, The Energy and Resources Institute, New Delhi

About the Workshop

This training course has been formulated to provide the participants with an exposure to key molecular biology tools and techniques and scientific concepts through a blend of theoretical and ‘hands-on’ training activities.

Themes to be covered

- Introduction to recombinant DNA tools and genetic engineering techniques
  - Isolation of DNA
  - Restriction Digestion
  - Versatile cloning strategies
  - E. coli transformation and screening of recombinants
- Polymerase Chain Reaction and its applications
- PCR based molecular markers for assessment of genetic diversity
  - RAPDs, ISSR, SCARS as DNA fingerprinting tools
  - Scoring DNA fingerprints for generation of binary matrix
  - Analyzing binary data with numerical taxonomy software package
  - Generating and understanding a phenetic dendrogram
- Protein analysis using SDS–PAGE
- Introduction to basic Bioinformatics tools
- Biotechnology and biosafety
- IPR issues in biotech research

Who can apply: Faculty members involved in under-graduate teaching in life sciences and holding regular positions

Last date for registration: January 15th, 2007

For further details, please contact:
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