



**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 Bio-informatics 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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