



Workshop on Basic Methods in Molecular Biology and Genetic Engineering

This workshop will familiarize participants with the principles of basic molecular methods and learn the process of cloning a foreign DNA into a prokaryotic host.

In this workshop you will learn:

- DNA extraction methods
- Introduction to biological databases and primer design principles
- PCR
- Introduction to genetic engineering
- Transformation in bacterial host
- Colony pick up & colony PCR
- Extraction of recombinant plasmid
- Enzymatic cleavage of recombinant vector
- Gel electrophoresis and result analyzing

This workshop is suitable for graduates and students of all academic levels in biology, paramedical, and medical fields. It is necessary for the participants to have previous knowledge about DNA, RNA, and Protein structure.