



## **Genetic Engineering & Molecular Cloning Workshop**

In this workshop the process of cloning a foreign gene into a prokaryotic host will be taught.

In this workshop you will learn:

- 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.