



**Bio Bharati Life Science Pvt. Ltd.®**

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Cell No. 09836508080, Lab No. 033-40077640

## LAB TRAINING PROGRAM

Molecular Biology

Protein Biochemistry

Immunology

**PROJECT WRITING** – *Comprehension and writing skill development*

## **MOLECULAR BIOLOGY**

- Competent cell preparation
- Transformation
- Plasmid DNA isolation
- Agarose gel electrophoresis
- DNA extraction from after DNA gel electrophoresis
- RNA isolation from mammalian cells
- cDNA preparation
- Primer designing
- PCR amplification of a target gene
- Construct design for gene expression

## **PROTEIN BIOCHEMISTRY**

- TLC of different amino acids
- Protein isolation and quantification from microbial culture
- Expression optimization of recombinant protein
- SDS PAGE & Western Blotting
- Purification of the recombinant protein through affinity chromatography

## **IMMUNOLOGY**

- Different techniques to study antigen antibody interaction
- Whole IgG purification from sera
- Validation of purified IgG by ELISA
- Immunoprecipitation (IP) followed by Western Blotting
- ABO Blood Grouping

### **Duration of training period:**

At least 3 months (can be extended depending on assigned project)

### **Fee structure:**

Rs. 10,000 per month.

Interested candidates contact us at:



[biobharati@gmail.com](mailto:biobharati@gmail.com)



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