Medical Biotechnology Summer Training Program

This program is designed for students and early-career professionals to gain foundational knowledge and hands-on experience in medical biotechnology during the summer season, focusing on diagnostics, therapeutic development, and biopharmaceuticals.

Note: Below modules are designed keeping high end industrial professionals into consideration. Please refer individual protocols below for affordable prices.

Introduction to Medical Biotechnology

Kindly review the fees outlined for the individual protocols listed in this module.

- Role of molecular biology in medical diagnostics
- Basics of recombinant DNA technology in therapeutics
- Understanding the vaccine development process
- Introduction to ethical considerations in medical biotech

Hands-On Techniques for Summer Projects

Kindly review the fees outlined for the individual protocols listed in this module.

- ELISA assays for disease detection
- Studying microbial systems in biopharmaceutical production
- Probiotic development for therapeutic applications
- Safe handling and testing of medical samples in the lab

Applications in Diagnostics and Therapeutics

Kindly review the fees outlined for the individual protocols listed in this module.

- Developing simple diagnostic kits for common diseases
- Basic workflows in therapeutic protein production
- Using CRISPR for gene modification in medical research

- Studying case examples of biopharmaceutical applications

Individual Protocols Under Medical Biotechnology Summer Training Program

1. Overview of biotechnology applications in medicine | **Fee: Contact for fee**
2. Role of molecular biology in medical diagnostics | **Fee: Contact for fee**
3. Basics of recombinant DNA technology in therapeutics | **Fee: Contact for fee**
4. Understanding the vaccine development process | **Fee: Contact for fee**
5. Introduction to ethical considerations in medical biotech | **Fee: Contact for fee**
6. Basic PCR techniques for molecular diagnostics | **Fee: Contact for fee**
7. ELISA assays for disease detection | **Fee: Contact for fee**
8. Studying microbial systems in biopharmaceutical production | **Fee: Contact for fee**
9. Probiotic development for therapeutic applications | **Fee: Contact for fee**
10. Safe handling and testing of medical samples in the lab | **Fee: Contact for fee**
11. Exploring molecular tools for diagnosing genetic disorders | **Fee: Contact for fee**
12. Developing simple diagnostic kits for common diseases | **Fee: Contact for fee**
13. Basic workflows in therapeutic protein production | **Fee: Contact for fee**
14. Using CRISPR for gene modification in medical research | **Fee: Contact for fee**
15. Studying case examples of biopharmaceutical applications | **Fee: Contact for fee**

Please contact on +91-8977624748 for more details

Cant Come to Hyderabad? No Problem, You can do it in Virtual / Online Mode