



## Experimental Biotechnology Summer Internships

Join Experimental Biotechnology summer internships to explore cutting-edge experimental approaches in biotechnology, focusing on genetic engineering, molecular biology techniques, and innovative research in drug development and biomanufacturing.

### Focussed Areas under Experimental Biotechnology Summer Internship

1. Genetic engineering and CRISPR technology
2. Synthetic biology and molecular circuit design
3. Biomanufacturing using microbial and plant systems
4. Gene cloning and recombinant protein expression
5. Drug development using experimental biotechnology
6. Cell culture and tissue engineering techniques
7. Bioprocess optimization for industrial biotechnology
8. Nanobiotechnology applications in drug delivery
9. Gene editing for disease research and therapy
10. Metabolic engineering for biofuel production
11. Experimental therapeutics in cancer research
12. High-throughput screening in drug discovery
13. Molecular biology techniques in biotechnology
14. Experimental design for synthetic biology applications
15. Enzyme engineering and directed evolution
16. Regenerative medicine and stem cell biology
17. Vaccine development using experimental methods
18. Biosensor development for environmental monitoring
19. Experimental approaches to personalized medicine
20. Biopharmaceutical development and manufacturing

### Protocols Covered across various focussed areas under Experimental Biotechnology Summer Internship

1. CRISPR-based gene editing protocols
2. Recombinant protein expression in microbial systems
3. Gene cloning techniques in experimental biotechnology
4. Cell culture protocols for tissue engineering
5. Nanobiotechnology applications in drug delivery
6. High-throughput screening for drug development

7. Synthetic biology circuit design workflows
8. Metabolic engineering protocols for biofuels
9. Enzyme engineering using directed evolution
10. Biosensor development for environmental applications

**Duration: 5, 10, 15, 20, and 30 Days**

**Note: Please cross confirm whether internship slots for this field are available before joining.**

[Click Here for Experimental Biotechnology Summer Internship Fees](#)

Application Process and Other info