

## General Biochemistry Summer Internships

Join General Biochemistry summer internships to explore the fundamental biochemical processes of living organisms, focusing on enzyme kinetics, metabolic pathways, molecular biology, and the role of biomolecules in cellular function.

### Focussed Areas under General Biochemistry Summer Internship

1. Enzyme kinetics and mechanisms
2. Metabolic pathways and energy production
3. Structure and function of biomolecules
4. Protein folding and misfolding in diseases
5. Nucleic acid structure and replication
6. Signal transduction and cellular communication
7. Carbohydrate and lipid metabolism
8. Protein-ligand interactions and binding studies
9. Molecular biology techniques in biochemistry
10. Regulation of gene expression and protein synthesis
11. Bioenergetics and cellular respiration
12. Hormonal regulation of metabolism
13. Biochemical pathways in photosynthesis
14. Oxidative stress and antioxidant mechanisms
15. Biochemistry of cell membranes
16. Metabolism of vitamins and cofactors
17. Biochemical basis of genetic diseases
18. Biomolecule interactions in drug design
19. Enzyme inhibition and pharmaceutical applications
20. Biochemical techniques for structural analysis

### Protocols Covered across various focussed areas under General Biochemistry Summer Internship

1. Enzyme kinetics and activity assays
2. Protein purification and characterization protocols
3. Metabolic pathway analysis techniques
4. Nucleic acid extraction and quantification methods
5. Protein-ligand interaction studies using spectroscopic methods
6. Signal transduction pathway analysis protocols

7. Bioenergetics experiments for cellular respiration
8. Biochemical techniques for photosynthesis research
9. Oxidative stress marker analysis methods
10. Hormonal regulation of metabolism experiments

**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 General Biochemistry Summer Internship Fees](#)

Application Process and Other info