

Biochemistry Summer Internships

Join Biochemistry summer internships to explore metabolic pathways, enzyme functions, and the role of biomolecules in cellular processes, focusing on applications in agriculture, medicine, and industry.

Focussed Areas under Biochemistry Summer Internship

1. Enzyme kinetics and thermodynamics in summer environments
2. Biochemical pathways in plant metabolism
3. Nutrient absorption and metabolism in hot climates
4. Photosynthesis and respiration under heat stress
5. Biochemical adaptations to heat in animals
6. Metabolic shifts during heat stress in microorganisms
7. Lipid metabolism in warm conditions
8. Protein folding and stability in hot temperatures
9. Heat stress proteins and their molecular mechanisms
10. Biochemical mechanisms of drought tolerance
11. Bioenergetics of summer crop plants
12. Metabolism of secondary metabolites under heat
13. Thermal regulation in biochemical pathways
14. Oxidative stress and antioxidant metabolism in heat
15. Biochemistry of microbial fermentation in warm climates
16. Enzyme applications in summer agriculture
17. Bioinformatics tools for metabolic pathway analysis
18. Functional biochemistry in environmental stress
19. Biochemistry of biopolymers in industrial applications
20. Metabolic engineering for biofuel production

Protocols Covered across various focussed areas under Biochemistry Summer Internship

1. Enzyme activity assays under heat stress
2. Photosynthesis and respiration rate measurements
3. Nutrient uptake assays in plants and microorganisms
4. Protein stability testing in high temperatures
5. Metabolic pathway analysis using bioinformatics tools
6. Antioxidant enzyme assays
7. Lipid extraction and analysis under heat stress

8. Heat shock protein assays in plants and animals
9. Biochemical analysis of microbial fermentation
10. Drought tolerance assays in plants

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 Biochemistry Summer Internship Fees](#)

Application Process and Other info