

Metagenomics Summer Internships

Join Metagenomics summer internships to explore the study of genetic material recovered directly from environmental samples, focusing on microbial diversity, bioinformatics tools for metagenomic analysis, and applications in ecology, biotechnology, and medicine.

Focussed Areas under Metagenomics Summer Internship

1. Microbial diversity and community structure analysis
2. Bioinformatics tools for metagenomic data analysis
3. Metagenomics in environmental microbiology
4. Applications of metagenomics in human health and disease
5. Metagenomics in the study of the human microbiome
6. Metagenomics for antimicrobial resistance gene discovery
7. Functional metagenomics and gene expression studies
8. Metagenomics in soil and agricultural microbiology
9. Marine and aquatic metagenomics research
10. Metagenomics in biotechnology and industrial microbiology
11. Metagenomic approaches to studying extremophiles
12. Viral metagenomics for pathogen discovery
13. Metagenomics in biodegradation and bioremediation
14. Metagenomics in drug discovery from microbial communities
15. Next-generation sequencing technologies in metagenomics
16. Metagenomics for ecosystem monitoring and conservation
17. Metagenomics in climate change research
18. Integration of metagenomics with multi-omics approaches
19. Metagenomics in plant-microbe interactions
20. Bioinformatics workflows for metagenomics studies

Protocols Covered across various focussed areas under Metagenomics Summer Internship

1. DNA extraction from environmental samples for metagenomics
2. Next-generation sequencing workflows for metagenomics
3. Bioinformatics tools for metagenomic data processing
4. Microbial community structure analysis protocols
5. Functional metagenomics gene expression protocols
6. Metagenomics for antimicrobial resistance gene identification
7. Soil microbiome metagenomic analysis techniques

8. Marine and aquatic metagenomics research workflows
9. Metagenomic approaches for biodegradation and bioremediation
10. Metagenomics data integration with other omics

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 Metagenomics Summer Internship Fees](#)

Application Process and Other info