

## Next-Generation Sequencing (NGS) Summer Internships

Join NGS summer internships to explore high-throughput sequencing technologies, focusing on genome, transcriptome, and epigenome sequencing, data analysis, and applications in personalized medicine, evolutionary biology, and biotechnology.

### Focussed Areas under Ngs Summer Internship

1. Whole genome sequencing using NGS
2. Transcriptome analysis and RNA-Seq
3. Epigenome sequencing and methylation analysis
4. NGS in cancer genomics and personalized medicine
5. Metagenomics and microbial community analysis using NGS
6. Data analysis and bioinformatics for NGS
7. NGS in evolutionary biology and phylogenetics
8. NGS in identifying genetic variants and mutations
9. High-throughput sequencing for plant genomics
10. Applications of NGS in drug discovery and development
11. NGS in human disease research and diagnostics
12. Next-generation sequencing in gene expression profiling
13. NGS technologies in agriculture and food safety
14. NGS in rare and hereditary disease research
15. Single-cell sequencing using NGS
16. NGS in forensic science and criminal investigations
17. Proteogenomics using next-generation sequencing
18. NGS in virology and pathogen identification
19. NGS in environmental DNA (eDNA) studies
20. CRISPR-based genome editing integrated with NGS

### Protocols Covered across various focussed areas under Ngs Summer Internship

1. DNA and RNA extraction protocols for NGS
2. Library preparation for whole genome sequencing
3. NGS data analysis and interpretation workflows
4. Single-cell sequencing using NGS protocols
5. Transcriptome sequencing (RNA-Seq) protocols
6. Metagenomics sample preparation for NGS
7. NGS library preparation for methylation analysis

8. NGS techniques for variant calling and mutation detection
9. Next-generation sequencing for plant genomics protocols
10. NGS workflows for gene expression profiling

**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 Ngs Summer Internship Fees](#)

Application Process and Other info