

## Genome Annotation Summer Internships

Join Genome Annotation summer internships to explore computational tools and experimental methods for annotating genomes, focusing on identifying genes, regulatory elements, and functional regions in genomic sequences.

### Focussed Areas under Genome Annotation Summer Internship

1. Computational tools for genome annotation
2. Gene prediction and functional annotation
3. Identification of regulatory elements in genomes
4. Annotation of coding and non-coding genes
5. Transcriptomics and RNA annotation
6. Genome-wide association studies (GWAS) for functional annotation
7. Epigenetic markers and regulatory region annotation
8. Comparative genomics in genome annotation
9. Integrating multi-omics data for genome annotation
10. Functional annotation of non-coding RNAs
11. Annotation of alternative splicing events
12. High-throughput sequencing data in genome annotation
13. Gene function prediction in annotated genomes
14. Genome annotation in microbial, plant, and animal systems
15. Protein-coding gene annotation using bioinformatics tools
16. Genome annotation for disease research
17. Annotation of genetic variants and polymorphisms
18. Gene ontology and functional categorization
19. Annotation of repetitive elements in genomes
20. Bioinformatics tools for genome curation and database management

### Protocols Covered across various focussed areas under Genome Annotation Summer Internship

1. Gene prediction and annotation workflows
2. RNA sequencing for transcript annotation
3. Functional annotation using bioinformatics tools
4. Comparative genomics techniques for annotation
5. Genome-wide association study (GWAS) workflows
6. Epigenetic marker identification in genome annotation

7. Alternative splicing event annotation methods
8. Multi-omics data integration for functional annotation
9. Gene ontology and functional categorization protocols
10. Genome annotation in microbial and plant systems

**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 Genome Annotation Summer Internship Fees](#)

Application Process and Other info