

Genome Annotation Winter Internships

Participate in Genome Annotation winter internships to explore genome annotation in cold-environment species, focusing on identifying cold-tolerant genes, regulatory elements under cold stress, and functional regions in cold-adapted genomes.

Focussed Areas under Genome Annotation Winter Internship

1. Genome annotation in cold-tolerant species
2. Gene prediction under cold stress conditions
3. Annotation of cold-resistant regulatory elements
4. Cold-stress epigenetic marker identification
5. Comparative genomics in cold-adapted organisms
6. Cold-environment multi-omics data for genome annotation
7. Transcriptomics of cold-tolerant organisms
8. Functional annotation of cold-tolerant genes
9. Annotation of alternative splicing events in cold environments
10. Genome-wide association studies for cold-resistance
11. Epigenetic modification annotation in cold-stressed genomes
12. Cold-environment genome annotation for disease research
13. Genome annotation of microbial communities in cold environments
14. Gene function prediction in cold-adapted species
15. Annotation of cold-induced gene expression changes
16. Genome annotation of cold-resistant plant and animal systems
17. Annotation of genetic variants related to cold stress
18. Bioinformatics tools for cold-environment genome curation
19. Cold-stress genome annotation for evolutionary studies
20. High-throughput sequencing for cold-environment genome annotation

Protocols Covered across various focussed areas under Genome Annotation Winter Internship

1. Cold-environment gene prediction and annotation workflows
2. RNA sequencing for cold-stress transcript annotation
3. Functional annotation using cold-environment bioinformatics tools
4. Comparative genomics techniques for cold-adapted species
5. Genome-wide association study (GWAS) for cold-resistance genes
6. Cold-stress epigenetic marker identification protocols

7. Alternative splicing event annotation in cold environments
8. Multi-omics data integration for cold-tolerant species
9. Gene function prediction workflows for cold-environment genomes
10. Genome annotation in microbial communities in cold climates

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 Winter Internship Fees](#)

Application Process and Other info