

Applied Genomics Winter Internships

Participate in Applied Genomics winter internships focusing on cold-tolerant genomic studies, using sequencing and bioinformatics tools to understand plant and animal adaptation to winter environments.

Focussed Areas under Applied Genomics Winter Internship

1. Genomics of cold-tolerant crops
2. Genome-wide association studies in winter crops
3. Transcriptomics of winter stress response
4. Marker-assisted selection for frost resistance
5. Cold adaptation in livestock genomics
6. Epigenomics of cold stress
7. CRISPR applications for cold tolerance
8. Functional genomics of winter crops
9. Comparative genomics in cold environments
10. Metagenomics of winter soil microbiomes
11. Gene expression in winter crops using RNA-seq
12. Next-generation sequencing of cold-tolerant species
13. Genome-wide mapping of cold resistance traits
14. Genomic selection for cold-resistant livestock
15. Systems biology of cold adaptation
16. Bioinformatics tools for winter genomics
17. Cold-stress gene discovery
18. Epigenetic changes in winter environments
19. Transcriptomics of cold-resilient plants
20. Genome annotation in cold-weather crops

Protocols Covered across various focussed areas under Applied Genomics Winter Internship

1. Genome sequencing of cold-tolerant crops
2. Marker-assisted selection for frost resistance
3. Transcriptomic analysis for cold stress response
4. Epigenetic profiling in cold environments
5. GWAS analysis for cold tolerance traits
6. CRISPR gene editing for cold resistance
7. Next-generation sequencing protocols

8. Comparative genomics for winter studies
9. RNA-seq analysis for cold-weather adaptation
10. Bioinformatics tools for cold-stress genomics

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 Applied Genomics Winter Internship Fees](#)

Application Process and Other info