

Comparative Genomics Winter Internships

Participate in Comparative Genomics winter internships to explore the genetic adaptation of cold-tolerant species, focusing on genomic changes, evolutionary relationships, and cold-environment genomic adaptations.

Focussed Areas under Comparative Genomics Winter Internship

1. Genomic adaptation to cold environments
2. Comparative genomics of cold-tolerant species
3. Evolutionary relationships of cold-resistant organisms
4. Comparative genomics of Arctic and Antarctic species
5. Genome-wide association studies (GWAS) in cold environments
6. Cold-environment gene function and regulation
7. Comparative analysis of cold-tolerant protein-coding genes
8. Structural variations in cold-adapted genomes
9. Gene family expansion in cold-tolerant species
10. Comparative genomics of cold-resistant plants and animals
11. Genome evolution in polar and alpine species
12. Comparative genomics in microbial communities in cold environments
13. Non-coding RNAs in cold-environment genomic adaptation
14. Comparative genomics of extinct cold-tolerant species
15. Cold-stress gene expression and regulation
16. Comparative genomics in climate change studies
17. Functional genomics of cold-resistant species
18. Comparative genomics in cold-region agriculture
19. Applications of comparative genomics in cold-environment conservation
20. Comparative genomics in cold-region population genetics

Protocols Covered across various focussed areas under Comparative Genomics Winter Internship

1. Comparative genome alignment for cold-tolerant species
2. GWAS protocols in cold-environment studies
3. Gene expression analysis in cold-stressed organisms
4. Comparative genomics of protein-coding genes in cold environments
5. Structural variation analysis in cold-tolerant genomes
6. Synteny analysis of cold-adapted species genomes

7. Non-coding RNA analysis for cold-environment adaptation
8. Cold-stress regulatory element comparison protocols
9. Gene family expansion analysis in cold-tolerant species
10. Comparative genomics tools for cold-environment microbial studies

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 Comparative Genomics Winter Internship Fees](#)

Application Process and Other info