

## **Biomics Winter Internships**

Participate in Biomics winter internships to study cold-weather biology using multi-omics technologies, focusing on genomics, proteomics, and metabolomics of cold-tolerant organisms.

### **Focussed Areas under Biomics Winter Internship**

1. Genomics of cold-tolerant species
2. Transcriptomics of cold stress response
3. Proteomics for cold-adapted enzymes and proteins
4. Metabolomics of cold-induced metabolic shifts
5. Epigenomic changes under cold stress
6. Multi-omics integration for studying frost resistance
7. Omics approaches for cold-weather crop improvement
8. Proteomic biomarkers of cold tolerance
9. Metagenomics of winter microbial communities
10. Systems biology of cold adaptation
11. Bioinformatics for analyzing cold-related omics data
12. Omics technologies in cold-environment agriculture
13. Synthetic biology for cold-resilient organisms
14. Omics data integration in winter ecology studies
15. Phenomics for cold-weather traits
16. Cold-stress metabolomic profiling in plants
17. Omics approaches for improving frost resistance
18. Multi-omics methods for studying microbial communities in ice
19. Proteomics for cold-adapted protein engineering
20. Statistical methods for analyzing cold-related omics data

### **Protocols Covered across various focussed areas under Biomics Winter Internship**

1. Cold-tolerant genomics analysis
2. RNA-Seq for studying cold stress response
3. Proteomics data acquisition under cold conditions
4. Metabolite extraction for cold-stress analysis
5. Epigenomic profiling for cold-tolerant species
6. Multi-omics data integration for cold-environment studies
7. Proteomic biomarker discovery for cold tolerance
8. Metagenomics for microbial communities in cold environments

9. Bioinformatics pipelines for analyzing cold-weather omics data
10. Phenomics data acquisition for cold-weather traits

**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 Biomix Winter Internship Fees](#)

Application Process and Other info