

## **Phylogenetics Summer Internships**

Join Phylogenetics summer internships to explore the evolutionary relationships between species, focusing on DNA sequence analysis, molecular evolution, and the use of phylogenetic trees to understand the genetic history of organisms and trace evolutionary pathways.

### **Focussed Areas under Phylogenetics Summer Internship**

1. DNA sequence analysis for phylogenetic studies
2. Molecular evolution and speciation events
3. Building phylogenetic trees using genetic data
4. Phylogenetics in biodiversity and conservation
5. Applications of next-generation sequencing in phylogenetics
6. Evolutionary history of species using molecular data
7. Phylogenetic methods for studying genetic variation
8. Phylogenomics and comparative genomics
9. Phylogenetic analysis of ancient DNA
10. Phylogenetics in microbial and viral evolution
11. Host-parasite co-evolution and phylogenetic analysis
12. Molecular dating techniques in phylogenetics
13. Phylogenetics of extinct species and fossils
14. Bioinformatics tools for phylogenetic tree construction
15. Evolutionary relationships between plants and animals
16. Phylogenetics of domesticated species and crop evolution
17. Phylogenetics in drug resistance and pathogen evolution
18. Functional genomics integrated with phylogenetics
19. Epigenetics and evolutionary processes
20. Applications of phylogenetics in ecological studies

### **Protocols Covered across various focussed areas under Phylogenetics Summer Internship**

1. DNA extraction and sequence analysis protocols for phylogenetics
2. Phylogenetic tree building using genetic data
3. Molecular dating techniques in evolutionary studies
4. Bioinformatics tools for constructing phylogenetic trees
5. Comparative genomics workflows in phylogenetic analysis
6. Next-generation sequencing protocols for phylogenetic studies
7. Phylogenetic methods for studying ancient DNA

8. Host-parasite co-evolution analysis protocols
9. Phylogenetic analysis of microbial and viral evolution
10. Protocols for integrating functional genomics with phylogenetics

**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 Phylogenetics Summer Internship Fees](#)

Application Process and Other info