

## **Mycology Summer Internships**

Join Mycology summer internships to explore the biology, ecology, and applications of fungi, focusing on fungal genetics, fungal-host interactions, the role of fungi in ecosystems, and their industrial and medical applications.

### **Focussed Areas under Mycology Summer Internship**

1. Fungal genetics and molecular biology
2. Fungal ecology and environmental interactions
3. Fungal-host interactions and symbiosis
4. Molecular techniques for studying fungal diseases
5. Industrial applications of fungi in biotechnology
6. Fungal metabolites and their medical applications
7. Fungi in biodegradation and environmental cleanup
8. Molecular taxonomy and classification of fungi
9. Applications of fungi in agriculture and soil health
10. Fungi in the food and beverage industry
11. Fungal infections and antifungal resistance
12. Molecular mechanisms of fungal pathogenicity
13. Fungi in biofuel production and renewable energy
14. Next-generation sequencing in fungal genomics
15. Proteomics and metabolomics in mycology research
16. Fungal spore formation and reproduction
17. Fungi in pharmaceuticals and drug discovery
18. Fungal biodiversity and conservation
19. Fungi in plant-microbe interactions
20. Gene expression analysis in fungal research

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

1. Molecular techniques for studying fungal genetics
2. PCR and sequencing for fungal taxonomy
3. Fungal metabolite extraction and analysis
4. Molecular diagnostics for fungal infections
5. Next-generation sequencing protocols for fungal genomics
6. Proteomics workflows for studying fungal proteins
7. Gene expression analysis in fungi

8. Fungal culture and isolation techniques
9. Techniques for studying fungal-host interactions
10. Protocols for fungal bioremediation applications

**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 Mycology Summer Internship Fees](#)

Application Process and Other info