

Petroleum Microbiology Summer Internships

Join Petroleum Microbiology summer internships to explore the role of microbes in oil recovery, bioremediation, and hydrocarbon degradation, focusing on microbial applications in petroleum industries and the use of biotechnology for environmental cleanup and enhanced oil recovery.

Focussed Areas under Petroleum Microbiology Summer Internship

1. Microbial enhanced oil recovery (MEOR)
2. Bioremediation of petroleum-contaminated environments
3. Hydrocarbon degradation by microbes
4. Microbial community analysis in oil reservoirs
5. Biotechnology applications in petroleum microbiology
6. Microbial processes in oil field souring
7. Microbial corrosion in petroleum infrastructure
8. Next-generation sequencing in petroleum microbiology
9. Microbial biosurfactants and their applications
10. Genomics of hydrocarbon-degrading microorganisms
11. Microbial methane production from oil reservoirs
12. Microbial treatment of oil spills and pollution
13. Biotechnology for sustainable petroleum production
14. Molecular diagnostics for microbial souring and corrosion
15. Microbial diversity in petroleum environments
16. Metagenomics and metabolomics in petroleum microbiology
17. Bioprocesses for converting hydrocarbons into biofuels
18. Microbial interactions in oil reservoirs and their impacts
19. Molecular techniques for studying petroleum microbiomes
20. Applications of synthetic biology in petroleum microbiology

Protocols Covered across various focussed areas under Petroleum Microbiology Summer Internship

1. Microbial enhanced oil recovery protocols
2. Molecular techniques for studying hydrocarbon degradation
3. Bioremediation protocols for oil-contaminated environments
4. Next-generation sequencing in petroleum microbiome analysis
5. Microbial biosurfactant production workflows
6. Genomic analysis of hydrocarbon-degrading microorganisms

7. Microbial corrosion testing in petroleum infrastructure
8. Microbial treatment protocols for oil spills
9. Molecular diagnostics for monitoring oil field souring
10. Bioprocess protocols for biofuel production from hydrocarbons

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 Petroleum Microbiology Summer Internship Fees](#)

Application Process and Other info