

Nano-Biotechnology Summer Internships

Join Nano-Biotechnology summer internships to explore the intersection of nanotechnology and biology, focusing on the development of nanomaterials for medical, environmental, and industrial applications, and the use of nanoparticles in drug delivery and diagnostics.

Focussed Areas under Nano Biotechnology Summer Internship

1. Nanoparticles in drug delivery systems
2. Nanomaterials for medical diagnostics
3. Nanotechnology in tissue engineering and regenerative medicine
4. Nanoparticles for cancer therapy
5. Nanobiotechnology in biosensors and bioimaging
6. Nanomaterials for environmental applications
7. Molecular interactions at the nanoscale
8. Nanotechnology in agriculture and food safety
9. Nanotoxicology and biocompatibility of nanomaterials
10. Nanoparticles for vaccine delivery
11. Nanotechnology in gene therapy
12. Nanomaterials in antimicrobial applications
13. Nanostructured materials for energy and sustainability
14. Nanoparticles for targeted drug delivery
15. Nanotechnology in cardiovascular diseases
16. Nanoparticles in stem cell research
17. Nanomaterials for water purification
18. Nanotechnology in biodegradation and bioremediation
19. Proteomics and genomics in nanobiotechnology
20. Applications of nanotechnology in veterinary medicine

Protocols Covered across various focussed areas under Nano Biotechnology Summer Internship

1. Synthesis of nanoparticles for drug delivery
2. Nanomaterial characterization techniques
3. Nanoparticle surface functionalization protocols
4. In vitro and in vivo testing of nanoparticles
5. Nanotoxicology assays for biocompatibility
6. Nanoparticle-based biosensor fabrication techniques

7. Nanoparticles for targeted therapy protocols
8. Molecular biology techniques for studying nanomaterial interactions
9. Nanotechnology in tissue engineering scaffold design
10. Protocols for nanoparticle-based vaccine delivery systems

Duration: 5, 10, 15, 20, and 30 Days

Note: Please cross confirm whether internship slots for this field are available before joining.

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Application Process and Other info