

Molecular Pharmacology Summer Internships

Join Molecular Pharmacology summer internships to explore the molecular mechanisms of drug action, focusing on drug-receptor interactions, signal transduction, molecular targets for drug development, and pharmacogenomics for personalized medicine.

Focussed Areas under Molecular Pharmacology Summer Internship

1. Molecular mechanisms of drug action
2. Drug-receptor interactions and binding studies
3. Signal transduction pathways in pharmacology
4. Molecular targets for drug development
5. Pharmacogenomics and personalized medicine
6. Molecular pharmacology in cancer therapy
7. Gene expression modulation by drugs
8. Molecular pharmacology of neurotransmitters
9. Molecular approaches to drug resistance
10. Epigenetic regulation in drug response
11. Molecular techniques for drug screening and validation
12. Proteomics and metabolomics in pharmacology research
13. Molecular pharmacology in infectious disease treatment
14. Molecular mechanisms of drug toxicity
15. Molecular approaches to studying drug metabolism
16. CRISPR and gene editing in drug discovery
17. Applications of molecular pharmacology in cardiovascular diseases
18. Molecular targets in neuropharmacology
19. Applications of nanotechnology in molecular pharmacology
20. Molecular pharmacology in autoimmune and inflammatory diseases

Protocols Covered across various focussed areas under Molecular Pharmacology Summer Internship

1. Drug-receptor binding analysis protocols
2. Molecular techniques for studying signal transduction
3. CRISPR-based gene editing for drug discovery
4. Proteomics techniques for drug target identification
5. Pharmacogenomics analysis protocols
6. Molecular screening techniques for drug development

7. Molecular approaches to studying drug resistance
8. Metabolomics protocols in pharmacology research
9. Molecular techniques for studying drug toxicity
10. Gene expression analysis in response to drug treatment

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 Molecular Pharmacology Summer Internship Fees](#)

Application Process and Other info