

Medical Chemistry Summer Internships

Join Medical Chemistry summer internships to explore the chemical basis of drug design and development, focusing on medicinal chemistry, pharmacology, toxicology, and the synthesis of pharmaceutical compounds for disease treatment.

Focussed Areas under Medical Chemistry Summer Internship

1. Drug design and synthesis in medicinal chemistry
2. Pharmacokinetics and pharmacodynamics studies
3. Structure-activity relationship (SAR) analysis
4. Development of small molecules for therapeutics
5. Natural product chemistry for drug discovery
6. Molecular modeling and computer-aided drug design
7. Toxicology and safety assessment in drug development
8. Chemistry of drug-receptor interactions
9. Organic synthesis of pharmaceutical compounds
10. Biophysical methods in drug discovery
11. Peptide and protein chemistry in drug development
12. Development of antivirals and antibiotics
13. Chemistry of cancer therapeutics
14. Analytical chemistry techniques in pharmaceutical development
15. High-throughput screening in medicinal chemistry
16. Bioavailability and drug solubility studies
17. Stereochemistry in drug development
18. Natural and synthetic chemistry in drug discovery
19. Bioconjugation chemistry for drug delivery systems
20. Medicinal chemistry for metabolic disease treatment

Protocols Covered across various focussed areas under Medical Chemistry Summer Internship

1. Organic synthesis of pharmaceutical compounds
2. Structure-activity relationship analysis protocols
3. High-throughput screening techniques in medicinal chemistry
4. Peptide synthesis for drug development
5. Toxicology and safety assessment workflows
6. Molecular modeling for drug design protocols

7. Pharmacokinetics and pharmacodynamics study techniques
8. Bioavailability and solubility analysis methods
9. Analytical chemistry techniques in pharmaceutical research
10. Bioconjugation protocols for drug delivery systems

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 Medical Chemistry Summer Internship Fees](#)

Application Process and Other info