

Molecular Programming Summer Internships

Join Molecular Programming summer internships to explore the use of molecular systems for computation and information processing, focusing on DNA computing, synthetic biology, and the development of molecular circuits for solving complex problems.

Focussed Areas under Molecular Programming Summer Internship

1. DNA computing and molecular algorithms
2. Design and implementation of molecular circuits
3. Synthetic biology for molecular programming
4. Molecular logic gates and computational systems
5. Molecular programming in biotechnology applications
6. Molecular computation for solving optimization problems
7. Self-assembly of DNA nanostructures
8. Molecular information storage systems
9. Molecular programming in drug delivery systems
10. Applications of molecular programming in diagnostics
11. Molecular robotics and programmable nanosystems
12. CRISPR-based molecular computation
13. Molecular mechanisms for decision-making in cells
14. Molecular programming for biosensor design
15. Biological circuit design for therapeutic applications
16. Gene networks and programmable genetic systems
17. Molecular programming in environmental biosensing
18. Integration of molecular programming with AI
19. Applications of molecular programming in tissue engineering
20. Molecular programming for synthetic biological circuits

Protocols Covered across various focussed areas under Molecular Programming Summer Internship

1. DNA computing algorithms and molecular logic gate design
2. Molecular circuit design and assembly protocols
3. CRISPR-based molecular programming techniques
4. Synthetic biology approaches for molecular computation
5. DNA nanostructure self-assembly protocols
6. Gene network programming techniques

7. Molecular programming for biosensor development
8. Molecular information storage system design
9. Molecular robotics assembly workflows
10. Molecular programming 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 Molecular Programming Summer Internship Fees](#)

Application Process and Other info