RNA Structure Prediction Summer Internships

Join RNA Structure Prediction summer internships to explore the computational methods and experimental techniques used to predict the secondary and tertiary structures of RNA, focusing on RNA folding, function, and its role in gene regulation, drug discovery, and molecular biology.

Focussed Areas under Rna Structure Prediction Summer Internship

1. RNA secondary structure prediction algorithms
2. Computational modeling of RNA tertiary structures
3. RNA folding and its functional implications
4. RNA-protein interactions in structural biology
5. RNA structure in gene regulation and expression
6. Non-coding RNA structure and its biological roles
7. RNA structure prediction in drug discovery
8. Applications of RNA structure prediction in virology
9. RNA dynamics and folding pathways
10. RNA structural motifs and their biological significance
11. Experimental techniques for RNA structure determination
12. RNA structural bioinformatics tools and databases
13. CRISPR guide RNA design and structure prediction
14. RNA structure in RNA interference and gene silencing
15. RNA thermodynamics and stability studies
16. Long non-coding RNA (lncRNA) structure prediction
17. RNA structure in ribozyme function and catalysis
18. RNA structure-based drug design and therapeutics
19. RNA aptamers and their applications in biotechnology
20. High-throughput techniques for RNA structure analysis

Protocols Covered across various focussed areas under Rna Structure Prediction Summer Internship

1. Computational algorithms for RNA secondary structure prediction
2. RNA folding pathway analysis protocols
3. Techniques for studying RNA-protein interactions
4. Experimental protocols for RNA structure determination
5. Thermodynamics and stability assays for RNA
6. Protocols for predicting RNA structural motifs

7. High-throughput RNA structure analysis techniques
8. Bioinformatics workflows for RNA structure prediction
9. Protocols for RNA interference (RNAi) structure studies
10. CRISPR guide RNA design and validation protocols

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 Rna Structure Prediction Summer Internship Fees

Application Process and Other info