

Regulomics Summer Internships

Join Regulomics summer internships to explore the study of regulatory networks in biology, focusing on gene regulation, epigenetics, transcription factors, non-coding RNA, and the computational analysis of gene regulatory networks and their role in health, disease, and development.

Focussed Areas under Regulomics Summer Internship

1. Gene regulation and transcriptional control mechanisms
2. Epigenetic modifications and gene expression
3. Transcription factors and their regulatory roles
4. Non-coding RNA in gene regulation
5. Regulatory networks in development and disease
6. Computational modeling of gene regulatory networks
7. Applications of regulomics in cancer research
8. Epigenomics and chromatin remodeling
9. Regulatory elements in functional genomics
10. CRISPR technology in studying gene regulation
11. Post-transcriptional regulation and RNA processing
12. Long non-coding RNAs and their regulatory functions
13. MicroRNAs and their role in gene expression
14. Transcriptional dynamics in cellular differentiation
15. Regulomics in stem cell biology and regenerative medicine
16. Gene regulatory networks in immune responses
17. Systems biology approaches to studying gene regulation
18. Regulomics in neuroscience and neurodevelopmental disorders
19. Applications of regulomics in drug discovery
20. Synthetic biology and engineered regulatory networks

Protocols Covered across various focussed areas under Regulomics Summer Internship

1. Protocols for studying transcription factor binding
2. Epigenomic analysis techniques and chromatin assays
3. CRISPR workflows for gene regulation studies
4. Non-coding RNA identification and analysis protocols
5. Computational modeling of gene regulatory networks
6. Protocols for microRNA and long non-coding RNA analysis

7. ChIP-seq protocols for transcription factor binding analysis
8. RNA processing and post-transcriptional regulation protocols
9. Gene expression profiling techniques for regulomics research
10. Synthetic biology protocols for engineering regulatory networks

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 Regulomics Summer Internship Fees](#)

Application Process and Other info