

Receptomics Summer Internships

Join Receptomics summer internships to explore the study of cell surface receptors and their interactions, focusing on receptor-ligand binding, signal transduction pathways, receptor pharmacology, and the applications of receptor biology in drug discovery, immunology, and disease research.

Focussed Areas under Receptomics Summer Internship

1. Receptor-ligand interactions and binding studies
2. Signal transduction pathways mediated by cell surface receptors
3. G-protein coupled receptors (GPCRs) in pharmacology
4. Receptors in immune system function and disease
5. Receptor biology in drug discovery and development
6. Receptor dynamics and conformational changes
7. Applications of receptomics in cancer research
8. Receptor-targeted therapies for disease treatment
9. Molecular techniques for studying receptor function
10. Receptor gene expression and regulation
11. Proteomics and bioinformatics in receptor research
12. Receptor cross-talk and network analysis
13. Receptors in neurological and neurodegenerative diseases
14. Receptor-ligand screening for high-throughput drug discovery
15. Membrane receptors in signal transduction
16. Receptors in metabolic and cardiovascular diseases
17. Structural biology of receptors and their complexes
18. Receptor function in stem cell signaling and development
19. Receptors in infectious diseases and host-pathogen interactions
20. Receptor engineering and synthetic biology applications

Protocols Covered across various focussed areas under Receptomics Summer Internship

1. Receptor-ligand binding assays and interaction studies
2. Signal transduction pathway analysis protocols
3. Protocols for studying G-protein coupled receptors (GPCRs)
4. Receptor-targeted drug discovery workflows
5. Molecular techniques for receptor gene expression analysis
6. Proteomics and bioinformatics tools for receptor research

7. Receptor cross-talk and signal network analysis protocols
8. High-throughput receptor-ligand screening methods
9. Receptor structural biology and crystallography techniques
10. Protocols for receptor function in immunology and disease

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 Receptomics Summer Internship Fees](#)

Application Process and Other info