

Molecular Neurobiology Summer Internships

Join Molecular Neurobiology summer internships to explore the molecular mechanisms underlying nervous system function, focusing on neurodegenerative diseases, neuronal signaling, synaptic plasticity, and the development of therapies targeting the molecular basis of neurological disorders.

Focussed Areas under Molecular Neurobiology Summer Internship

1. Molecular mechanisms of neurodegenerative diseases
2. Neuronal signaling pathways and neurotransmitter dynamics
3. Synaptic plasticity and molecular control of learning and memory
4. Molecular neurobiology of brain development
5. Molecular basis of neurological disorders
6. Gene therapy for neurodegenerative diseases
7. Molecular techniques for studying neuronal circuits
8. Neurotransmitter receptors and ion channel regulation
9. Molecular approaches to neuroinflammation and immune responses
10. Molecular diagnostics in neurology
11. CRISPR and gene editing in neurobiology research
12. Neuropharmacology and drug development for neurological disorders
13. Molecular basis of neuroplasticity in learning and memory
14. Molecular mechanisms of brain injury and repair
15. Neuronal gene expression and epigenetic regulation
16. Stem cell therapies for neurodegenerative diseases
17. Molecular targets in neuro-oncology
18. Proteomics and genomics in neurobiology research
19. Neurogenetics and the molecular basis of behavior
20. Molecular neurobiology of synaptic transmission

Protocols Covered across various focussed areas under Molecular Neurobiology Summer Internship

1. Molecular techniques for studying neuronal signaling
2. CRISPR gene editing for neurobiology applications
3. Molecular diagnostics for neurodegenerative diseases
4. Proteomics techniques in neurobiology research
5. Neuronal gene expression and transcriptomics protocols

6. Stem cell therapy techniques for neurodegeneration
7. Molecular approaches to synaptic plasticity studies
8. Neuropharmacology assays for drug development
9. Molecular techniques for studying neurotransmitter dynamics
10. Molecular approaches to neuroinflammation studies

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 Neurobiology Summer Internship Fees](#)

Application Process and Other info