



Protein Folding Summer Internships

Join Protein Folding summer internships to explore the molecular mechanisms behind protein folding, focusing on how proteins achieve their functional conformations, the role of chaperones, and the implications of protein misfolding in diseases like Alzheimer's and Parkinson's.

Focussed Areas under Protein Folding Summer Internship

1. Molecular mechanisms of protein folding
2. Role of chaperones in protein folding
3. Protein misfolding and aggregation in diseases
4. Protein folding pathways and thermodynamics
5. Folding of membrane proteins and its challenges
6. In vitro and in vivo protein folding studies
7. Role of protein folding in cellular homeostasis
8. Protein folding diseases: Alzheimer's, Parkinson's, and ALS
9. Computational methods in studying protein folding
10. Protein folding kinetics and stability
11. Impacts of mutations on protein folding
12. Techniques for studying protein structure and folding
13. Protein folding in extreme environments
14. Role of endoplasmic reticulum in protein folding
15. Proteostasis networks and cellular protein folding mechanisms
16. Protein folding in drug design and discovery
17. Folding dynamics of intrinsically disordered proteins
18. Applications of cryo-EM and X-ray crystallography in protein folding
19. Protein folding in biotechnology and synthetic biology
20. Protein folding in industrial bioprocessing

Protocols Covered across various focussed areas under Protein Folding Summer Internship

1. In vitro protein folding study protocols
2. Protocols for studying protein folding kinetics
3. Chaperone-assisted protein folding workflows
4. Techniques for analyzing misfolded protein aggregates
5. Cryo-EM and X-ray crystallography protocols for protein structure analysis
6. Mutational analysis in protein folding studies
7. Computational modeling protocols for protein folding

8. Protocols for studying protein folding in extreme environments
9. Protein folding and stability assay protocols
10. Techniques for investigating folding pathways of membrane proteins

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 Protein Folding Summer Internship Fees](#)

Application Process and Other info