

Protein Dynamics

Experimental and Computational Approaches

Protein Dynamics: Experimental and Computational Approaches investigates protein biology from a biophysical standpoint. The book covers a wide range of topics, including functional protein dynamics, intrinsically disordered proteins, protein folding, misfolding and aggregation, and membrane protein-protein communication. Protein allosteric conformational changes caused by drug binding and disease-associated mutations are also featured, alongside protein dynamics in the context of computer-based drug design. Biophysical techniques for investigating protein structure-dynamics-function relationships across these topics are explored, considering the latest experimental and computational approaches in the field. This book is an ideal reference for researchers in working in biophysics, biochemistry, and related areas.

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