



## **Energetics of Biological Macromolecules, Part C: 323 (Methods in Enzymology)**

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## **Energetics of Biological Macromolecules, Part C: 323 (Methods in Enzymology)**

**Volume 323 of Methods in Enzymology** is dedicated to the energetics of biological macromolecules.

Understanding the molecular mechanisms underlying a biological process requires detailed knowledge of the structural relationships within the system and an equally detailed understanding of the energetic driving forces that control the structural interactions. This volume presents modern thermodynamic techniques currently being utilized to study the energetic driving forces in biological systems. It will be a useful reference source and textbook for scientists and students whose goal is to understand the energetic relationships between macromolecular structures and biological functions.

This volume supplements **Volumes 259** and **Volume 295 of Methods in Enzymology**.

### **Key Features**

- \* Probing Stability of Helical Transmembrane Proteins
- \* Energetics of Vinca Alkaloid Interactions with Tubulin
- \* Deriving Complex Ligand Binding Formulas
- \* Mathematical Modeling of Cooperative Interactions in Hemoglobin
- \* Analysis of Interactions of Regulatory Protein TyrR with DNA
- \* Parsing Free Energy of Drug-DNA Interactions
- \* Use of Fluorescence as Thermodynamics Tool



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