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The Physical Basis of Biochemistry: The Foundations of Molecular Biophysics (Hardback)

By Peter R. Bergethon

Springer-Verlag New York Inc., United States, 2010. Hardback. Condition: New. 2nd ed. 2010. Language: English . Brand New Book. Biological chemistry has changed since the completion of the human genome project. There is a renewed interest and market for individuals trained in biophysical chemistry and molecular biophysics. The Physical Basis of Biochemistry, Second Edition, emphasizes the interdisciplinary nature of biophysical chemistry by incorporating the quantitative perspective of the physical sciences without sacrificing the complexity and diversity of the biological systems, applies physical and chemical principles to the understanding of the biology of cells and explores the explosive developments in the area of genomics, and in turn, proteomics, bioinformatics, and computational and visualization technologies that have occurred in the past seven years. The book features problem sets and examples, clear illustrations, and extensive appendixes that provide additional information on related topics in mathematics, physics and chemistry.

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