The Biophysical Chemistry of Nucleic Acids and Proteins

Thomas E. Creighton
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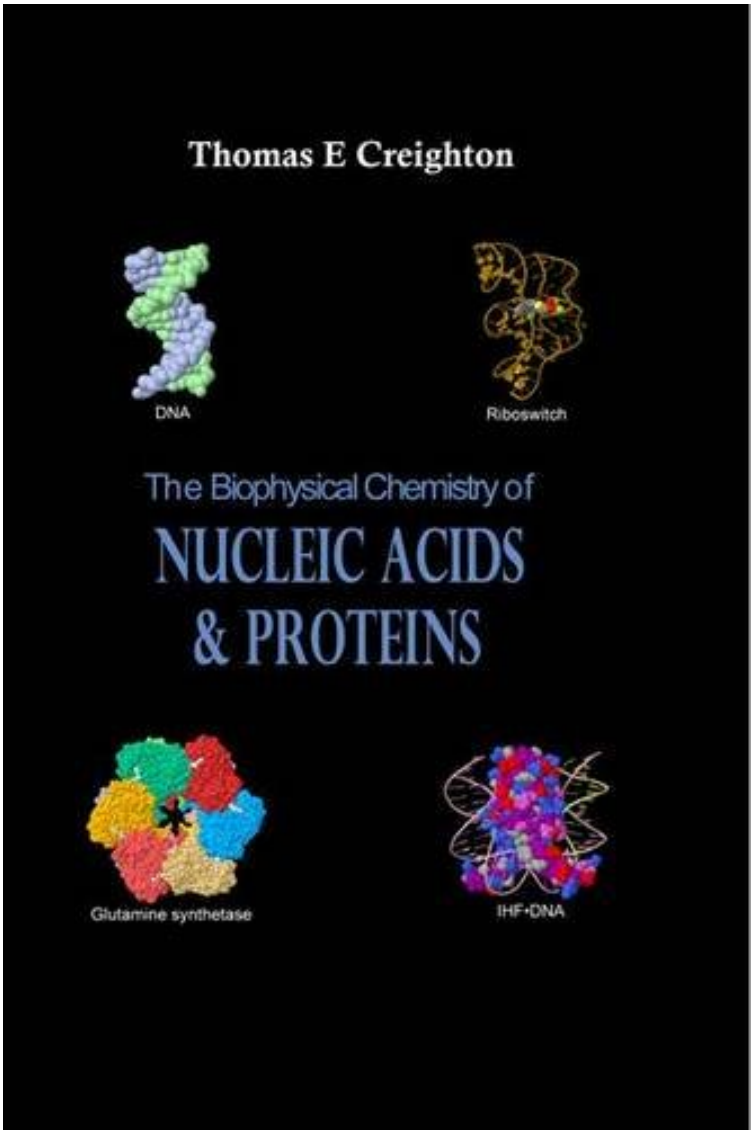

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Thomas E. Creighton : The Biophysical Chemistry of Nucleic Acids and Proteins before purchasing it in order to gage whether or not it would be worth my time, and all praised The Biophysical Chemistry of Nucleic Acids and Proteins:

Who will buy this book? University students and scientists in the biological sciences. DNA, RNA and proteins are undoubtedly the most important biological molecules. Being large macromolecules, their physical, chemical and

biological properties can differ dramatically from those of the monomers from which they are made. Described here are their primary, secondary, tertiary and quaternary structures; their evolutionary origins; their unfolding and refolding; their chemical synthesis and manipulation; their physical interactions with other molecules, which often result in catalysis of chemical reactions in one or both of them; and the various ways in which the catalytic activities of enzymes are controlled and regulated. Colour is used liberally throughout the volume to enhance the many illustrations.

About the AuthorThomas E. Creighton is retired, after a career in academia at Caltech, Stanford and Yale Universities, the MRC Laboratory of Molecular Biology at Cambridge, England, and the European Molecular Biology Laboratory at Heidelberg, Germany. He is the author of two editions of Proteins: Structures and Molecular Properties published by W. H. Freeman and has edited the four-volume Encyclopedia of Molecular Biology and the five-volume Encyclopedia of Molecular Medicine for Wiley-Interscience, two editions of Protein Structure: A Practical Approach and Protein Function: A Practical Approach for IRL Press at Oxford University Press, and the volume Protein Folding for W. H. Freeman.