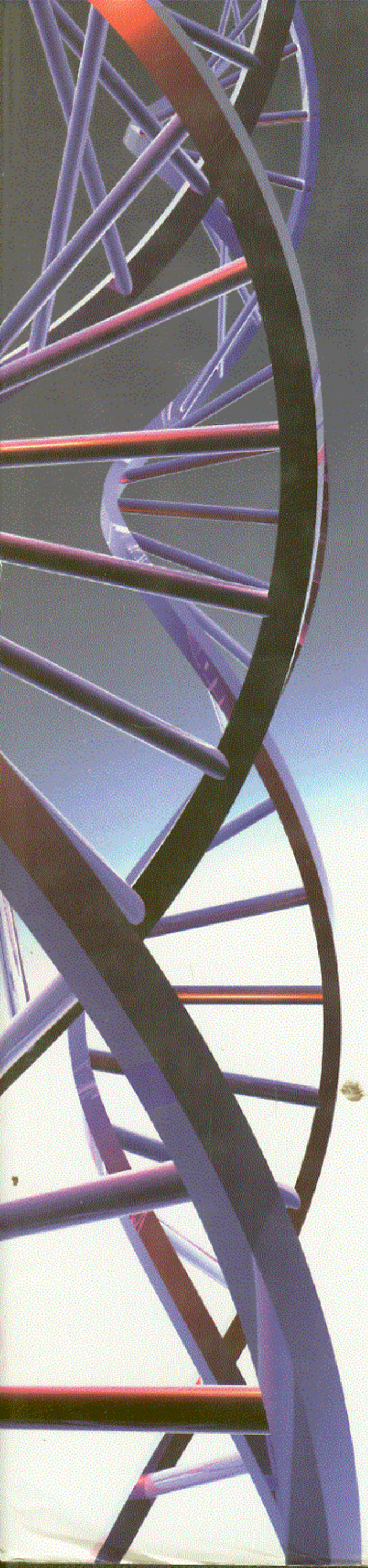




The Oxford Dictionary of Biochemistry and Molecular Biology provides a comprehensive survey of current biochemistry and molecular biology. Over the last few years, the language of the discipline has expanded enormously to the extent that few scientists can expect to be familiar with all aspects of it. This is partly due to the Genome and successive ‘-omics’ projects which have provided comprehensive information about genes, the functions of gene products, and cellular processes. At the same time, terms from other subject areas appear increasingly in the biochemical literature. This popular dictionary has been comprehensively reviewed and updated to include many important new concepts and words. The entries are short but informative, providing up-to-date information on a broad range of topics, including definitions for selected terms from the fields of Bioinformatics, Biophysics, Cell Biology, Chemistry, Genetics, Immunology, Mathematics, Microbiology, Pharmacology, Systems Biology, and Toxicology. There are over 21000 main entries, which provide details of biochemical substances and the processes in which they are involved, define methods and concepts in molecular biology, and give definitions of biochemical symbols and abbreviations. They point out pitfalls where terms are often confused, and explain the precise syntax of biochemical terms such as Greek letters and other formatting, which are invariably lost when searching the Internet. In addition, the dictionary is generously illustrated with over 900 chemical structures.

The Oxford Dictionary of Biochemistry and Molecular Biology will serve as an invaluable reference text for student and professional biochemists and molecular biologists seeking information both from within and outside their own fields. It will also be of relevance and use to a broader audience of life scientists seeking an authoritative overview of fundamental principles.

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