Essentials of Chemical Biology

Structure and Dynamics of Biological Macromolecules

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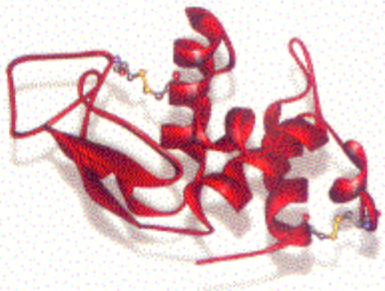

Chemical biology is a rapidly developing branch of chemistry, which sets out to understand the way biology works at the molecular level. Fundamental to chemical biology is a detailed understanding of the syntheses, structures and behaviours of biological macromolecules and macromolecular lipid assemblies that together represent the primary constituents of all cells and all organisms. The subject area of chemical biology bridges many different disciplines and is fast becoming an integral part of academic and commercial research.

Essentials of Chemical Biology is designed specifically as a key teaching resource for chemical biology that is intended to build on the foundations laid down by introductory physical and organic chemistry courses. This book will be an invaluable text to students taking biological, bioorganic, organic and structural chemistry courses. It will be of interest to biochemists and molecular biologists, as well as professionals within medicine and the pharmaceutical industry.

- **A comprehensive introduction to this dynamic area of chemistry, which will equip chemists for the task of understanding and studying the underlying principles behind the functioning of biological macro molecules, macromolecular lipid assemblies and cells.**
- **Covers many basic concepts and ideas associated with the study of the interface between chemistry and biology.**
- **Clearly written and richly illustrated in full colour.**

Cover design by Dan Jubb

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ISBN 978-0-470-84531-8