

Twyman, R.M.: **Advanced Molecular Biology. A Concise References.** - BIOS Scientific Publishers, Oxford 1998. 499 pp. GBP 22.95. ISBN 1-85996-141-X

Current knowledge of molecular biology more and more affected other biological sciences and the new molecular biology techniques unify all fields of experimental biology. Although once separate, the biochemistry, genetics, cell biology, development biology and so on have become wedded by fundamental experimental approaches: to know the structure and function of proteins that carry out specific biologically important tasks and to understand how gene expression is controlled so that cell synthesise the right proteins at the right time, place and amounts.

The explosive advances in molecular biology, particular in the molecular biology techniques, force scientists still to keep up to new trends in the subject. Standard text book of molecular biology are often too large that it is beyond the reach of many students and researchers in terms of both bulk and cost. In this respect many scientists will embrace the R.M. Twyman's concise references of advances in molecular biology. It is the ideal source of condense up-to-date information for those who work on the field of molecular biology and it also assist all those who, while not specialising in molecular biology, want to be aware of a major trends in the subject. As author assume the reader has a basic understanding of molecular biology, this book is therefore not intended to be a beginners guide.

The "Advanced Molecular Biology" provides coverage of all major topics in molecular biology in 30 chapters. The fundamental concept and definition on the beginning of each chapter highlight essential terms and introduce readers to the basic concepts of discrete topic. Brief and clear text with frequent use of tables and simple pictures allow the reader to extract key information. Boxes supply the chapter with description of the techniques and methods used in particular area of molecular biology and summarise some gene or protein interesting properties and functions. A list of references at the end of each chapter and index at the end of the book is only short and limited. The "Advanced Molecular Biology" could not be consider as representative text book but a very useful aid for natural sciences students and researchers.

L. SKÁLOVÁ (*Hradec Králové*)