

Kumar, A., Srivastava, A.K.: **Advanced Topics in Molecular Biology**. - Horizon Press, Wymondham 2001. 152 pp. ISBN 1-898486-28-X.

In fact the title of this book is misleading - it is an introductory textbook summarizing in simplified way basic knowledge from molecular genetic field. It is divided into eight chapters dealing with the gene structure and gene expression up to mechanism of RNA translation. The introductory chapter and the second one are concentrated on genome structure and replication both in prokaryotes and eukaryotes. It describes also basic characteristics of participating enzymes. Chapter three summarizes regulation of transcription again both in pro- as well as eukaryotes and chapter four is dealing with RNA splicing of different RNAs and different types of introns. Authors devoted the longest chapter to the translation process which is often underestimated in textbooks of this

type and included valuable information about different types of inhibitors. This is important to prepare students for their own experimental practice in which pharmacological approach is still very important. Next two chapters describe basics of regulation of gene expression and the final chapter is devoted to transposons. It is questionable if from the pedagogical point of view would not be better to include transposons as a part of chapter about genome organization. Book is accompanied by Glossary making it easier for beginners to understand the text.

This book could be recommended as a solid text to introduce undergraduates into the basic concepts of molecular genetics.

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