



Essentials of Molecular Genetics (Hardback)

By Gurbachan S. Miglani

Alpha Science International Ltd, United Kingdom, 2015.
Hardback. Book Condition: New. 240 x 185 mm. Language: English . Brand New Book. ESSENTIALS OF MOLECULAR GENETICS is primarily designed as a text book for undergraduate students studying molecular genetics. It provides concise yet complete knowledge on the nature, structure, molecular forms, location, organization, packaging, recombination, damage, transposition, repair, protection of genetic material; gene structure, gene organization, gene function, transcription, RNA processing, genetic code, translation, and fate of finished proteins, ribosomes, and used messenger RNAs; and molecular mechanisms of regulation of gene expression in viruses, bacteria and eukaryotes, role of epigenetic modifications in gene regulation, role of DNA and histone modification, and noncoding RNAs and gene silencing in bacteria, viruses and eukaryotes. The book also deals with various molecular tools, techniques and technologies - DNA/RNA separation, in situ hybridization, squash dot hybridization, southern blotting, northern blotting, western blotting, eastern blotting, dot blot, slot blot, electrophoresis, colony hybridization, plaque hybridization, chromosome walking, chromosome jumping/hopping, chromosome landing, nick translation, RNA sequencing, DNA sequencing, RNA synthesis, DNA synthesis, DNA synthesis machines, DNA fingerprinting, DNA markers, microarrays, restriction endonucleases, recombinant DNA technology, and quantitative trait loci mapping, methods for detection of mutations, site-directed mutagenesis, Smith s...

Reviews

An extremely wonderful book with lucid and perfect information. It is one of the most awesome publication i have read. Your life period will probably be enhance the instant you total looking at this pdf.

-- Prof. Dan Windler MD

It is really an amazing publication i actually have at any time read. It is really simplistic but unexpected situations inside the 50 percent of your pdf. Its been written in an exceptionally simple way in fact it is just right after i finished reading this ebook where actually transformed me, alter the way i really believe.

-- Dr. Celestino Spinka III