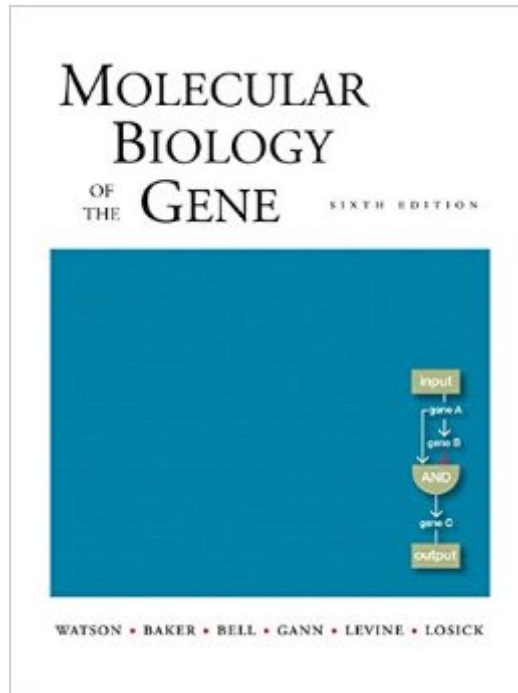


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# Molecular Biology Of The Gene, Sixth Edition



## Synopsis

Though completely up-to-date with the latest research advances, the Sixth Edition of James D. Watson's classic book, *Molecular Biology of the Gene* retains the distinctive character of earlier editions that has made it the most widely used book in molecular biology. Twenty-two concise chapters, co-authored by six highly respected biologists, provide current, authoritative coverage of an exciting, fast-changing discipline. Mendelian View of the World, Nucleic Acids Convey Genetic Information, The Importance of Weak Chemical Interactions, The Importance of High Energy Bonds, Weak and Strong Bonds Determine Macromolecular Interactions, The Structures of DNA and RNA, Genome Structure, Chromatin and the Nucleosome, The Replication of DNA, The Mutability and Repair of DNA, Homologous Recombination at the Molecular Level, Site-Specific Recombination and Transposition of DNA, Mechanisms of Transcription, RNA Splicing, Translation, The Genetic Code, Transcriptional Regulation in Prokaryotes, Transcriptional Regulation in Eukaryotes, Regulatory RNAs, Gene Regulation in Development and Evolution, Genomics and Systems Biology, Techniques of Molecular Biology, Model Organisms. Intended for those interested in learning more about the basics of Molecular Biology.

## Book Information

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## Customer Reviews

I am a clinician scientist and have always had difficulty in relating to pure basic science books. The *Molecular Biology of the Gene* changed my mind. Outstandingly written chapters with colorful illustrations take you through extremely complex subjects in a breeze. A masterpiece, highly

recommended.

I'm a physicist who switched to biology. My adviser gave this book to me to familiarize myself with biology... and I understood everything! It was clear and scientific, now I suggest it to anyone who wants to understand how the cell works.

If you are interested in genetics, this is a great book. It's interesting and fun to read in measured doses, since it's also dense. The only negative is the associated online content is expired. You can use YouTube or a web search to find other animations instead.

This has been refined over the years to be the gold standard of an educational text. Well worth the price.

I am a bioinformatician and always look for a reference molecular biology book which not only covers a range of topics but also is clear enough for a reader with limited knowledge of molecular biology. This book is exactly the one I was looking for. Even more, it provides a nice introduction to some basic molecular biology techniques. Highly recommend to any one who wants to know more about molecular biology from other backgrounds.

This book gives a better understanding and representation of recombinant DNA procedures. All topics relevant to Molecular Biology of the Gene have been addressed in a lucid manner with excellent description and illustrations. A lot of progress had been made in this field hence. But this is a must buy for students as well as educators of molecular biology.

The book came in great condition, it was new, no highlights and it was shipped in a fast way! I used it for my molecular biology class and it was totally worth buying the book. The online access is worth it too, great animations and it was only \$30

Hands down this is one of the best textbooks I've ever used. The authors do not bog you down with unnecessary historical or scientific trivia within the body of the text. They get straight to the point and move on to the next. Ancillary data that provides historical or applied context to the science is given in separate parts of the subject matter. It is written in a tone and flow that a novice and an experienced molecular biology student will appreciate. In addition, the book comes with online

supplementary material with short self assessments that are actually useful. They aren't just an after thought. It actual helps with your understanding of the material. The figures and illustrations are of high quality and resolution. I couldn't find an error anywhere in the book. The only gripe that I have is that it doesn't come with a companion guide that contains exercises and quiz questions that can be used to consolidate and access one's learning. If they came up with this kind of companion, I'd read this book just for pure enjoyment.

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