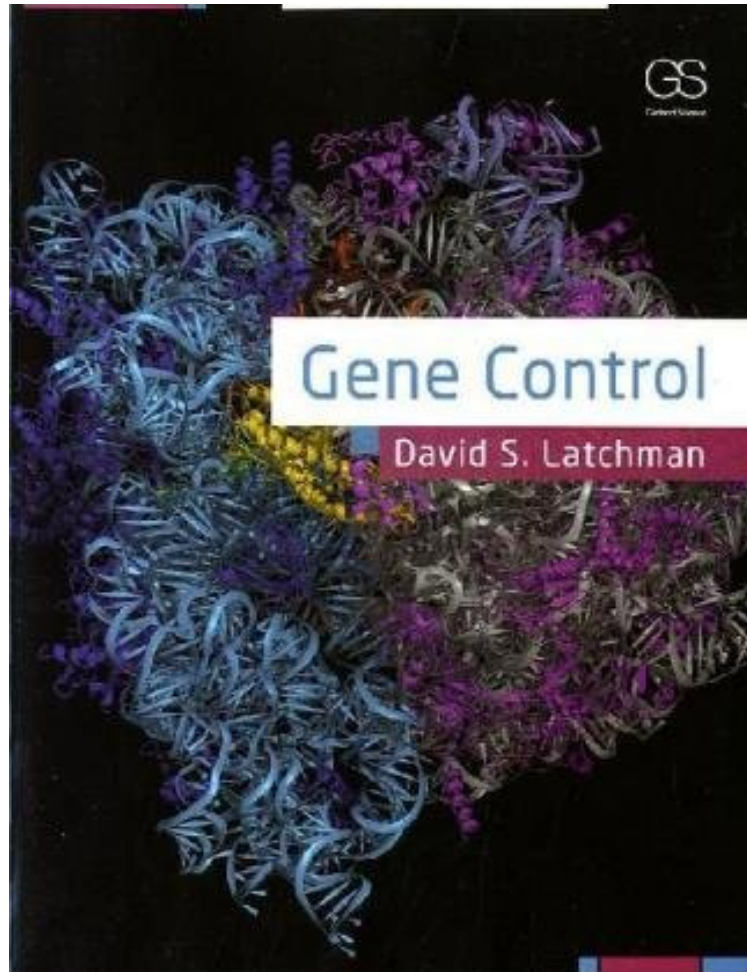


[Download ebook] Gene Control

## Gene Control

*David Latchman*

*ebooks | Download PDF | \*ePub | DOC | audiobook*



DOWNLOAD



READ ONLINE

#1650870 in Books Garland Science 2010-01-21 Original language: English PDF # 1 10.50 x 8.00 x .501, .0  
#File Name: 0815365136448 pages | File size: 59.Mb

**David Latchman : Gene Control** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Gene Control:

1 of 1 people found the following review helpful. The right book at the right time. By R H Though I've just started it, this book has been fantastic, just the right source for consolidating and furthering my understanding of the currently understood mechanics of gene regulation. I should say that I think taking a course in molecular biology is an absolute prerequisite to get the most out of this text and some experience in this area also helps. While the orientation of the book is towards eukaryotic cells in the animal kingdom with a couple of chapters on human disease, it is mostly about the mechanics of gene expression presented in a way that doesn't require you to be a biochemist, geneticist or molecular biologist to understand. Even though the lab that I am involved with is doing basic research on a model plant (*Arabidopsis thaliana*), I'm finding this book very relevant. I would say that it is a very detailed, but clearly written overview of our current (2010) understanding of gene control. 0 of 0 people found the following review helpful.

e-version doesn't work with windows 8 or android phones  
By Customer I got the e-version and was disappointed that it did not work on my android phone or on windows 8 on my computer. It only worked on my tablet. I like reading with the sepia color (light brown background with dark brown words) and this option was not available for this book. I think for me the hard copy of this book would have been a better option. I was very impressed with the actual text book. It is very readable and easy to understand. It explains complicated molecular biology in English.  
0 of 0 people found the following review helpful. Excellent text  
By A. Bauer I used this text to teach an upper level course last year. Good figures and instructor resources, students also found it useful and concise.

Gene Control offers a current description of how gene expression is controlled in eukaryotes, reviewing and summarizing the extensive primary literature into an easily accessible format. Gene Control is a comprehensively restructured and expanded edition of Latchman's Gene Regulation: A Eukaryotic Perspective, Fifth Edition. The first part of the book deals with the fundamental processes of gene control at the levels of chromatin structure, transcription, and post-transcriptional processes. Three pairs of chapters deal with each of these aspects, first describing the basic process itself, followed by the manner in which it is involved in controlling gene expression. The second part of the book deals with the role of gene control in specific biological processes. Certain chapters deal with the importance of gene control in cellular signaling processes and for normal development of the embryo. Another chapter discusses the key roles played by gene-regulatory processes in the specification of differentiated cell types such as muscle cells and neurons. The final chapters discuss the consequences of errors in gene control; the relationship between gene misregulation and human diseases, especially cancer; and potential therapies designed specifically to target particular levels of gene control. Gene Control will be of value to students in biological sciences, as well as to scientists and clinicians interested in how genes are regulated in health and disease.

This well-illustrated book...will be quite useful to postdoctoral fellows, researchers, and clinicians, particularly clinical oncologists, interested in this area. Doody's Book s "The range of details probably means that students can jump in and out of the sections as they require, dependent upon their starting knowledge  
The overall structure of the book appears to cover the major areas that we focus on, and there is sufficient depth/clarity for 1st and 2nd years." Dr Nick Plant, University of Surrey (referring to Chapter 8 Gene control and cellular signaling pathways) "I feel this text is written such that the content would be easily understood by my medical students. In addition it covers the material with sufficient depth, yet not overly burdensome, for the level of learning of medical students the author has done an excellent job of balancing basic discussion with complete complex topics." Professor Michael King, Indiana State University (referring to Chapters 1, 2 and 3) "...the level of detail is perfect I really like the simple figures the author creates. This is one of my favorite features of the current Latchman book I am using. The information is simple and very clear I really enjoyed reading these chapters and feel students will benefit greatly This author really presents information clearly and I love the way he organizes the information." Dr Maureen Ferran, Rochester Institute of Technology (referring to Chapters 6 and 7) "Striking this balance (between basic and more complex information) is consistently a strength in this authors books and why I enjoy using the current book in my course. It is quite easy for an instructor to include or exclude information according to the time they have for a particular topic." Dr Maureen Ferran, Rochester Institute of Technology (referring to Chapter 10 Control of cell-type-specific gene expression) "The thing I like about the book is the simplicity of the figures, which my students found very helpful in illustrating complex concepts. I think that the material in this chapter is laid out in a logical manner and has sufficient detail for the way my course is structured." Ava Udvardia, University of Wisconsin-Madison (referring to Chapter 10 Control of cell-type-specific gene expression)  
About the Author David Latchman is Professor of Genetics and Master of Birkbeck, University of London and Professor of Human Genetics at the Institute of Child Health, University College London. His current teaching includes coursework on Eukaryotic Molecular Biology including Gene control to 200 + second year students at UCL and Masters courses on Gene Regulation to students at Birkbeck. Previous publications include Gene Regulation 5e, Taylor Francis in 2005, Eukaryotic Transcription Factors 4e, Elsevier, in 2004 and a variety of journal articles. His previous books have a reputation for their clarity of explanation.