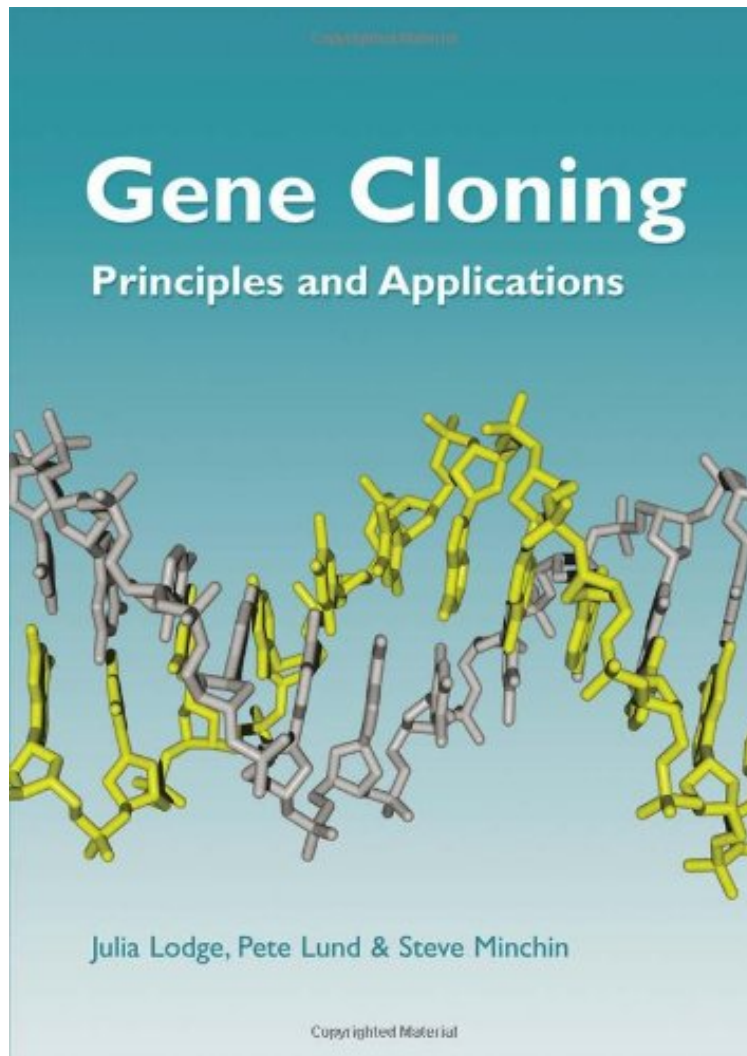


(Download) Gene Cloning

Gene Cloning

Julia Lodge, Peter Lund, Steve Minchin
audiobook / *ebooks / Download PDF / ePub / DOC



#2421944 in Books Taylor n Francis 2006-10-24Original language:EnglishPDF # 1 9.75 x 6.75 x 1.00l, 2.00
#File Name: 0748765344474 pages | File size: 26.Mb

Julia Lodge, Peter Lund, Steve Minchin : Gene Cloning before purchasing it in order to gage whether or not it would be worth my time, and all praised Gene Cloning:

0 of 0 people found the following review helpful. GreatBy Alex DumitruMost things are very explicitly described, I am not yet in the field yet I could relatively easily understand. Its Great.1 of 1 people found the following review helpful. Informative introduction to gene cloningBy CustomerReading this book as an intro to the world of PCR and a project entailing site-directed mutagenesis was extremely helpful from every thing from setting up a PCR cycle and what plasmids are better for cloning or expression to details of a transformation and protein expression techniques. Overall, an excellent book to have in the lab!

The ability to successfully clone genes underlies the majority of our knowledge in molecular and cellular biology. Gene Cloning introduces the diverse array of techniques available to clone genes and how they can be used effectively both in the research laboratory, to gain knowledge about the gene, and for use in biotechnology, medicine, the pharmaceutical industry, and agriculture. It shows how cloning genes is an integral part of genomics and underlines its relevance in the post-genomic age, as a tool required to test predictions of gene regulation and function made through bioinformatics. Applications of gene cloning in medicine, both for diagnosis and treatment, and in the pharmaceutical industry and agriculture, are also covered in the book. Gene Cloning takes a fresh approach to teaching molecular and cellular biology and will be a valuable resource to both undergraduates and lecturers of biological and biomedical science courses.

'Had I ever been a practical molecular biologist, this is the book that would reassure me of the principles behind my experiments. Furthermore, if, for example, I wanted to find the transcription starting point of a gene, this would tell me the theory behind how to do it. Thus it is not a lab cookbook or manual, but a very user-friendly and helpful adviser. I was rather impressed with this book and will suggest it as a text, not only for my second and third year students but also for our MSc molecular genetics course.' - The Times Higher Education Supplement, February 23rd 2007

'Instructors seeking a text for a course in molecular biology would be wise to consider this one. The authors are to be commended for a readable and well organized presentation. This is a strong effort. The presentation is logical, the level correct. Were I to teach a course in this area, this book would be high on my list.' - Eugene A Davidson, PhD, Georgetown University School of Medicine, Doody's, April 2007 'The writing is clear and concise and, importantly for beginners, the essential information is not lost amongst a myriad of details. The instructor will find an excellent combination of traditional and up-to-date topics treated and will be able to easily complement this with information from the literature or laboratory.' - BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION, Vol. 36, 2008

About the Author
Dr. Julia Lodge is Assistant Professor (Lecturer) at the School of Biosciences, University of Birmingham, UK and teaches gene cloning, genetic engineering, genomics. Her main research interest is bacterial infectious diseases.
Dr. Pete Lund is Associate Professor (Senior Lecturer) at the School of Biosciences, University of Birmingham, UK and teaches cellular and molecular biology, genetics, protein structure and function. His research focuses on molecular chaperones and stress responses.
Dr. Steve Minchin is Associate Professor (Senior Lecturer) at the School of Biosciences, University of Birmingham, UK and teaches genetics, gene expression, genomics. His main area of research is the regulation of gene expression.