Principles of Molecular Virology, Fifth Edition

Alan J. Cann
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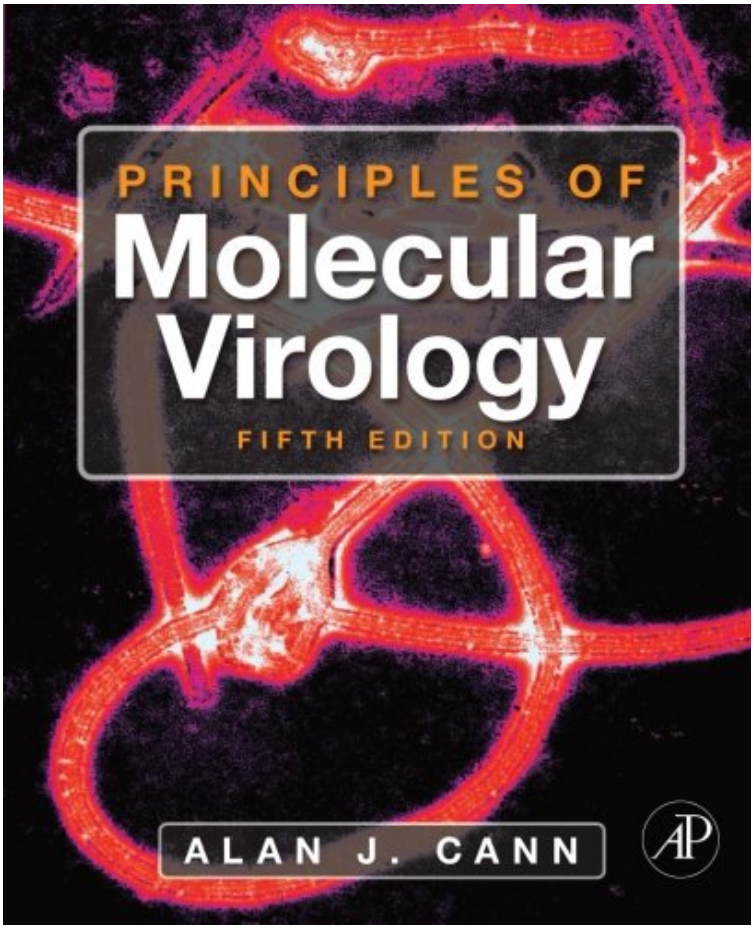

#1492460 in Books 2011-09-16Original language:EnglishPDF # 1 9.10 x .80 x 7.50l, 1.65 #File Name: 012384939X320 pages | File size: 74.Mb

Alan J. Cann : Principles of Molecular Virology, Fifth Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Principles of Molecular Virology, Fifth Edition:

1 of 1 people found the following review helpful. MediocreBy james elkinsThis book is not very informative at all. It has a very shallow depth of information. For example the assays that it mentions have little detail about how and why they work, I am tempted just to throw the book away, everything that i looked up in this book I had to continue my own research online to fully understand what I was looking for.Do not recommend at all2 of 2 people found the following review helpful. easy readingBy PennyThis book is great for beginners as it is written in language that is easy to understand. Those requiring greater depth in viruses/virology, however, may need to seek out further resources.

Principles of Molecular Virology, Fifth Edition, provides an introduction to modern virology. Viruses are submicroscopic, obligate intracellular parasites that are more diverse than all the bacterial, plant, and animal kingdoms combined. The book examines protein-protein, protein-nucleic acid, and protein-lipid interactions, which control the structure of virus particles; the ways in which viruses infect cells; how viruses replicate; and the effects of virus

infection on host organisms. The book begins with a history of virology, tracing the development of knowledge and research on virology. The remaining seven chapters deal with the function and formation of virus particles; the structure and complexity of virus genomes; virus replication; gene expression; virus infections; the effects of virus infection on the body and the bodys response to infection; and subviral agents, such as satellites, viroids, and prions. The text concludes with three appendices that feature a glossary and abbreviations; a classification of subcellular infectious agents; and an outline of the history of virology. Completely rewritten and updatedClear and easy to understandExamples covering important ideas in virologyAll new illustrations

Praise for previous editions:An excellent virological text for students. It is recommended in many university undergraduate courses for good reason. It is well written in an accessible style... well illustratedI suspect the self assessment questions will be usefully plundered by those setting examinations. - Trends in GeneticsExcellent.. The writing flows easily with good practical examples... an attractive, up-to-date book and is an excellent buy that I can strongly recommend. - Society for General Microbiology Quarterly"More suitable for an undergraduate class than any other text I have recently seen... readable and undergraduate-friendly, and it fills a definite niche. - American Society for Microbiology News"Compact... and realistically priced... Present(s) molecular virology to an undergraduate audience is an easily digestible form. - Trends in MicrobiologyFrom the Back CoverThe fifth edition of the highly successful Principles of Molecular Virology provides an easily accessible introduction to modern virology. Focusing on a molecular approach, this classic textbook explains virology in a clear and concise manner. The book explores and explains the fundamentals of virology, including the structure of virus particles and genomes, replication, gene expression infection, pathogenesis and subviral agents. The self-assessment questions, glossary and pronunciation guide provide excellent revision aids and are a handy reference for students, tutors and researchers. Key features Completely rewritten and updatedClear and easy to understandExamples covering important ideas in virologyAll new illustrations About the author Dr. Alan Cann is a senior lecturer in Biological Sciences at the University of Leicester, UK. Having worked both in the UK and in the USA, and in addition to teaching undergraduate, postgraduate and medical students, he has widespread research interests in molecular virology and pathogenesis of viruses.About the AuthorDr. Alan J. Cann has worked in both the U.K. and U.S.A. teaching undergraduate, postgraduate, and medical students. He is currently a Senior Lecturer in Biological Sciences at the University of Leicester where his research interests include pedagogic research and science communication.