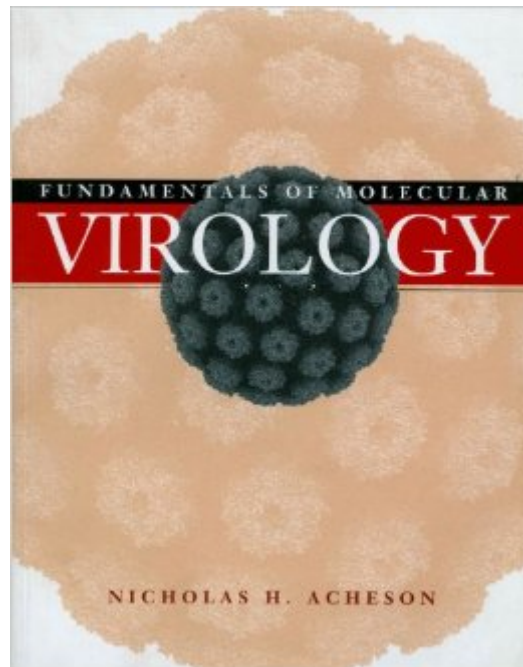


The book was found

# Fundamentals Of Molecular Virology



## Synopsis

Designed for students learning about viruses for the first time (at the undergraduate or graduate level), *Fundamentals of Molecular Virology* is presented in a style which relates to today's students and professors. The text approaches learning about virology by presenting a set of chapters each of which covers a specific virus family, using one or two well-studied viruses as examples. Each chapter is designed to tell a story about the virus under discussion, and to portray the "personality" of that virus. The text incorporates lessons from classic and contemporary concepts providing a well-rounded presentation on the subject of virology.

**FEATURES OF FUNDAMENTALS OF MOLECULAR VIROLOGY**

- \* Unique, Applied Chapter Stories. Each chapter presents a unique example or case to help introduce the students to the different viruses that will be studied or examined in that chapter.
- \* Evolutionary Boxes. Feature exciting and current developments in molecular virology. These are integrated throughout the entire book and can be found in every chapter. These help students understand the importance of currency and application of virology.
- \* Comprehensive, Illustrative Art Program. The text contains a number of two-color figures which focus on the individual steps in virus replication and helps draw student's attention to important concepts and details.
- \* Coverage of Human Pathogens. Includes chapters that cover important human pathogens such as smallpox virus, measles virus, poliovirus, herpes viruses, human immunodeficiency virus, hepatitis B virus, Ebola virus, SARS corona virus, West Nile virus, and others.

What instructors are saying about *Fundamentals of Molecular Virology*

"I like the structured treatment that is presented in Acheson. Overall, it is one of the best written and clearly organized texts on the subject I have seen." - Jeannine Williams, College of Marin

"I found the text very readable and believe it will appeal to a wide audience of students...I believe this text will have broad appeal in a field where few texts exist." - Michael Roner, The University of Texas at Arlington

"The main strength of the book is the great molecular detail the author achieves, but still at a level that an undergraduate student should be able to master. I like the blend of molecular with medical; this has been lacking in most virology books that I have considered using." - Darlene Walro, Walsh University

## Book Information

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## Customer Reviews

Fundamentals of Molecular Virology is by far one of the most readable scientific textbooks I have ever come across. The focus is on common characteristics of virus families rather than on individuals. For example, rather than having a chapter just covering the rabies virus this book has a chapter on the Rhabdovirus family and covers the mechanisms that each of the commonly studied rhabdoviruses use for each of the viral life cycle stages. The book is also organized into orders, each of the viral orders will have their families grouped together. The rhabdovirus chapter is right next to the paramyxoviridae and filoviridae viruses to make up the mononegavirales order. The writing is clear and concise. The style of writing is geared towards an audience with no previous virology experience and gently guides the reader through the basics of virology. Some attention is given to laboratory procedure but the book was not written as a lab manual and so it only provides a brief overview of some of the common techniques. The biggest weakness of the book is in graphic illustration. Many of the illustrations are bland and monochromatic - there is very little use of color for a textbook this expensive. If you are taking a virology or microbiology course I would strongly recommend that you get a copy of this book as a reference regardless of what textbook your instructor uses.

I found this book to be more helpful as a review than a primary source of learning, particularly because it is written in a concise manner and because I feel like the explanation of some modes of viral replication were completely lacking. Now, if the images that accompanied some of the replication processes had been better (looking at you, hepadnavirus), then I could let the lack of information slide, but it seems as if one area slacked, then they both slacked. And I do realize that trying to draw some of these processes is difficult because of how they're occurring in 3D, but many of the figures left a lot to the imagination. Also, it would have been nice to see an attempt to present

the same type of information on all the viruses. Some of the chapters were so scarce on diseases caused, what the actual virus looks like (more SEMs!), epidemiology, history/origins, etc, while other chapters were rich with this type of information. This, again, left me feeling like this book was incomplete.

It's another text that deals mostly with the structure of viruses. This book just does it very well. Do not expect any clinical information on the various viruses. Also, this is the earlier version. Hopefully, the information in the newer edition is more up to date.

I used this book for my undergraduate virology class at Berkeley. I believe the book was not as clear and descriptive as I wanted it to be. Biology is a visual science, and this textbook needs to ramp up its images and captions. The book also contains glaring errors that were corrected by my professors and guest lecturers. Overall, I believe this book gives a brief overview in the field of virology and would be best suited for undergrads. However, I would not recommend this textbook to medical and graduate students. I believe the two best virology books are "Principles of Virology" (3rd Edition, Flint et al) and "Virology: Molecular Biology and Pathogenesis" (1st Edition, Norkin)- PhD Candidate in Virology/Immunology.

This book is perfect for the beginning/moderate virology student- concise but detailed reviews of many viruses. I highly recommend it for supplementary aid.

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Principles of Molecular Virology (Standard Edition), Fourth Edition (Cann, Principles of Molecular Virology) Fundamentals of Molecular Virology Fields Virology (Knipe, Fields Virology)-2 Volume Set by Knipe, David M. Published by Lippincott Williams & Wilkins 6th (sixth), 2-volume set edition (2013) Hardcover Fields Virology (Knipe, Fields Virology) Current Developments in Animal Virology: Papers Presented at the First ICGEB-Uci Virology Symposium New Delhi, February 1995 Ruminant Pestivirus Infections: Virology, Pathogenesis, and Perspectives of Prophylaxis (Archives of Virology Supplement) Plant Virology Protocols: New Approaches to Detect Viruses and Host Responses (Methods in Molecular Biology) The Molecular Virology and Epidemiology of Influenza Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 7e (Fundamentals of Clinical Chemistry (Tietz)) Fundamentals of Nursing: Human Health and Function (Craven, Fundamentals of Nursing: Human Health and Function Craven, Fundamentals of Nursing) Cellular and Molecular Immunology (Cellular and Molecular Immunology, Abbas) Molecular Pathology of Nervous System

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