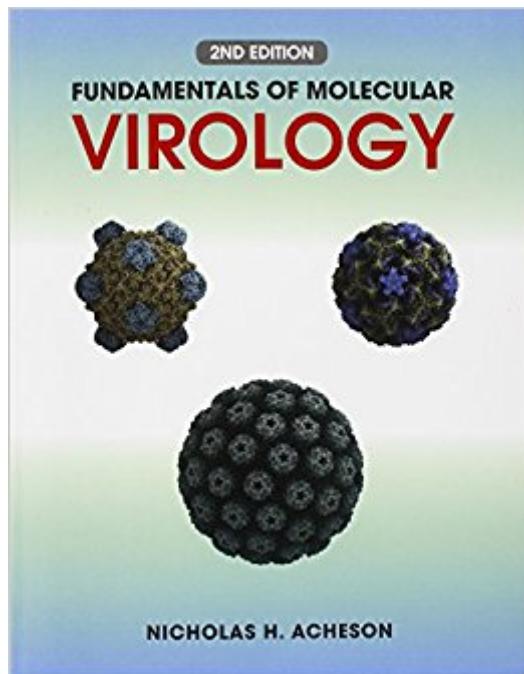


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# Fundamentals Of Molecular Virology



## Synopsis

This new, fully revised second edition of Fundamentals of Molecular Virology is designed for university students learning about virology at the undergraduate or graduate level. Chapters cover most of the major virus families, emphasizing the unique features of each virus family. These chapters are designed to tell stories about the viruses covered, and include information on discovery, diseases and pathogenesis, virus structure, steps in viral replication, and interaction with cellular signaling pathways. This approach portrays the “personality” of each virus, helping students to learn the material and to build up their knowledge of virology, starting with smaller and simpler viruses and proceeding to more complex viruses.

## Book Information

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## Customer Reviews

“I like the overall organization and directness in the writing. The chapter outlines that cover the basic features of the virus discussed are quite useful. The illustrations are clear and easy to interpret.” -Michael Graves, University of Massachusetts Lowell  
“Having each chapter that covers a specific virus written by an expert in the field then having Acheson bring the material into a common style is an excellent approach. I enjoy the slight stylistic differences that I find in the chapters, but Acheson has a direct and concise approach that makes the information throughout the text understandable for students. Chapters are short and direct. The table of contents is informative. Sections within the chapters are logically organized and headings are informative. The boxes provide interesting side topics in an extremely concise

manner. Overall, I find Acheson to be an excellent text. -William Tapprich, University of Nebraska Omaha  
The conceptual approach to virus biology is the greatest strength of the text. The book has the appropriate level of molecular detail and it is presented in a manner that an undergraduate can readily grasp. It is a highly readable text. -Sharon Roberts, Auburn University

**FEATURES OF FUNDAMENTALS OF MOLECULAR VIROLOGY:** Clear style. Written in a simple and clear style for students with a background in cell and molecular biology. Full-color figures. Numerous full-color figures complement the text and illustrate virus structure, genome organization, and individual steps in virus replication. Extended coverage. This second edition has five new chapters: Cucumber Mosaic Virus; Viruses of Archaea; Viruses of Algae and the giant Mimivirus; Intrinsic Cellular Responses Against Virus Infection; and Innate and Adaptive Immune Responses to Virus Infection. All other chapters have been revised and updated. Study aids include thumbnail sketches of each virus group, informative chapter subheadings, and a comprehensive glossary with definitions of numerous terms. Chapter introductions give historical background and information about viral diseases. Text boxes throughout the book feature exciting and current developments in molecular virology or practical applications of viruses in science and medicine. Key Terms, Fundamental Concepts, and Review Questions at the end of each chapter help students review and organize information they have learned. Information on human pathogens. Includes chapters on important human pathogens including herpes viruses, hepatitis B and C viruses, human immunodeficiency virus, influenza viruses, measles virus, poliovirus, smallpox virus, West Nile virus, and others.

This book is okay. I bought it because it was required for an upper-level college class. It is clearly written and easy to understand, but the way they explain things is long-winded. They spend pages to talk about something that can be summarized in one paragraph. As a result, I don't feel like I've learned very much information after reading through a whole chapter. On the upside, it does have summary pages at the beginning and end of every chapter, so that you can pretty much skip the chapter itself. It also has lovely tables and diagrams. It's too simplified for upper-level college, but it might be a great book for intro-level courses or high school students.

I really love this book. My professor can be a bit scattered, so a book this focused helps keep me on track. The book goes through major groups of viruses and the mechanisms through which they

work. Very detailed but manages to stay interesting. I've been reading some of the chapters that are not required for class. It's just that interesting.

a really great textbook. I love how at the start of each chapter there is a quick summary of the important topics discussed for that chapter.

Great book for understanding specific individual viruses.

This book is extremely general. It was required for my virology course, but to answer my own questions while studying, I have to supplement my reading with 2 other molecular virology books.

This was the textbook used for a Virology course in college. I really liked the way the chapters were laid out and the reading seemed to expect different knowledge levels of biology. There's a lot to learn about viruses and this book takes you through quite a bit.

Purchased as required textbook for college course. Thanks.

Book is fine but delivery took longer than promised

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