

Textbook Of Medical Virology

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Textbook of Medical Virology - 1st Edition

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Textbook of Medical Virology by Erik Lycke | NOOK Book ...

Medical Virology first appeared in 1970 and was immediately hailed as a classic. The Fourth Edition has been completely updated, substantially rewritten, and considerably expanded. Acknowledging that today's students possess a more sophisticated background of molecular and cellular biology, the book is pitched a little higher than was the third edition.

Medical virology: Fenner, Frank: 9780127466408: Amazon.com ...

Textbook of Medical Virology. September 2017. Edition: 1st. Publisher: CBS Publishers, New Delhi. Editor: Baijayantimala Mishra. ISBN: 978-93-86478-32-0. Project: Medical Virology.

(PDF) Textbook of Medical Virology - ResearchGate

The second edition of Virology is an accessible introduction designed to enable students to understand the principles of virus structure, replication and genetics. The aim of this book is to help the reader appreciate the relevance of virology in the modern world, including the fields of vaccines, anti-viral drugs and cancer.

Virology: Principles and Applications: Carter, John ...

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This book is at an introductory level ideal for pre-health students as well as medical, dental, nursing, and physician assistant students who do not have a formal course in microbiology but want a rapid review of clinical virology in preparation for their board examinations."

Guide to Clinical and Diagnostic Virology (ASM Books ...

Fields' Virology is a crucial resource for the virology community, and for physicians and medical students who treat infectious diseases. Fields' remains the most trusted text book on human medical virology, and it had not been updated since the last edition was published in 2007. Modern biology moves fast.

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Viruses: Biology, Application, and Control is a concise textbook for advanced undergraduate and graduate students covering the essential aspects of virology included in biomedical science courses. It is an updated and expanded version of David Harper ' s Molecular Virology, Second Edition.Focusing on key mechanisms and developments, Viruses presents many new recent scientific advances ...

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Diagnostic Virology Protocols / Edition 1 by John R ...

This is a book at a fair price to bring the reader up to speed with the research literature, to bring the concerned clinician to moleclar virology, the molecular virologists to the medical problems which are becoming amenable to solution by molecular techniques and, not least, a reference book for undergraduates.

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Virology books | Caister Academic Press

The way in which virus disease has crowded out ordinary bacterial infections is well illustrated by the number of monographs on virology, which now appear with increasing frequency. This volume follows the usual procedure of giving first a general discussion about viruses, their biology, their epidemiology, and the technical methods of dealing with them.

Textbook of Virology. | JAMA Internal Medicine | JAMA Network

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Textbook of Medical Virology presents a critical review of general principles in the field of medical virology. It discusses the description and molecular structures of virus. It addresses the morphology and classifications of viruses. It also demonstrates the principal aspects of virus particle structure. Some of the topics covered in the book are the symmetrical arrangements of viruses; introduction to different families of animal viruses; biochemistry of virus particles; the immunological properties and biological activities of viral gene products; description of enzymatic activities of viruses; and haemagglutination, cell fusion, and haemolysis of viruses. The description and characteristics of viral antigens are covered. The identification and propagation of viruses in tissue and cell cultures are discussed. An in-depth analysis of the principles of virus replication is provided. A study of the morphogenesis of virions is also presented. A chapter is devoted to virus-induced changes of cell structures and functions. The book can provide useful information to virologists, microbiologists, students, and researchers.

Fenner and White's Medical Virology, Fifth Edition provides an integrated view of related sciences, from cell biology, to medical epidemiology and human social behavior. The perspective represented by this book, that of medical virology as an infectious disease science, is meant to provide a starting point, an anchor, for those who must relate the subject to clinical practice, public health practice, scholarly research, and other endeavors. The book presents detailed exposition on the properties of viruses, how viruses replicate, and how viruses cause disease. These chapters are then followed by an overview of the principles of diagnosis, epidemiology, and how virus infections can be controlled. The first section concludes with a discussion on emergence and attempts to predict the next major public health challenges. These form a guide for delving into the specific diseases of interest to the reader as described in Part II. This lucid and concise, yet comprehensive, text is admirably suited to the needs of not only advanced students of science and medicine, but also postgraduate students, teachers, and research workers in all areas of virology. Features updated and expanded coverage of pathogenesis and immunity Contains the latest laboratory diagnostic methods Provides insights into clinical features of human viral disease, vaccines, chemotherapy, epidemiology, and control

It would have been difficult at the beginning of the 80's to have predicted that by the end of the decade, Medical Virology would have become one of the most important topics in the area of both basic and clinical research. Although we were expecting a progressive increase in awareness of the role played by viruses in different diseases, we did not expect the outbreak of a fatal disease that was going to shake the roots of our society. The appearance of the human immunodeficiency virus (HIV-1) in the early 80's, has prompted a unique re search impetus in the area of Medical Virology. The knowledge that we are gaining in our attempt to understand the biology of HIV-1 and the immuno logical response to this virus should not only help us control the spread of this virus, but should also help us to better understand other viral infections. Let us hope that during the 1990's we can learn how to control HIV-1 infections so that by the end of the decade, no more human lives succumb to an infection with this virus. Luis M. de la Maza Irvine, California Ellena M. Peterson March, 1990 v ACKNO-EDGEMENTS We would like to thank all the speakers that came to San Francisco and shared their knowledge during the lectures and for writing the chapters in this book.

No other area of biology has grown as fast and become as relevant over the last decade as virology. It is with no little amount of amaze ment, that the more we learn about fundamental biological questions and mechanisms of diseases, the more obvious it becomes that viruses perme ate all facets of our lives. While on one hand viruses are known to cause acute and chronic, mild and fatal, focal and generalized diseases, on the other hand, they are used as tools for gaining an understanding of the structure and function of higher organisms, and as vehicles for carrying protective or curative therapies. The wide scope of approaches to different biological and medical virological questions was well rep resented by the speakers that participated in this year's Symposium. While the epidemic by the human immunodeficiency virus type 1 continues to spread without hope for much relief in sight, intriguing questions and answers in the area of diagnostics, clinical manifestations and therapeutical approaches to viral infections are unveiled daily. Let us hope, that with the increasing awareness by our society of the role played by viruses, not only as causative agents of diseases, but also as models for better understanding basic biological principles, more efforts and resources are placed into their study. Luis M. de la Maza Irvine, California Ellena M.

Medical Virology

The essential reference of clinical virology Virology is one of the most dynamic and rapidly changing fields of clinical medicine. For example, sequencing techniques from human specimens have identified numerous new members of several virus families, including new polyomaviruses, orthomyxoviruses, and bunyaviruses. Clinical Virology, Fourth Edition, has been extensively revised and updated to incorporate the latest developments and relevant research. Chapters written by internationally recognized experts cover novel viruses, pathogenesis, epidemiology, diagnosis, treatment, and prevention, organized into two major sections: Section 1 provides information regarding broad topics in virology, including immune responses, vaccinology, laboratory diagnosis, principles of antiviral therapy, and detailed considerations of important organ system manifestations and syndromes caused by viral infections. Section 2 provides overviews of specific etiologic agents and discusses their biology, epidemiology, pathogenesis of disease causation, clinical manifestations, laboratory diagnosis, and management. Clinical Virology provides the critical information scientists and health care professionals require about all aspects of this rapidly evolving field.

This is a concise, highly accessible introduction to medical virology, incorporating essential basic principles as well as a systematic review of viruses and viral diseases. It pays particular attention to developments in anti-viral therapy that are becoming increasingly effective in modern medicine. It is an ideal textbook for the information-overloaded student and an invaluable everyday companion for the busy professional who needs a good understanding of the current state of medical virology. In keeping with the highly successful format of other Illustrated Colour Texts, it presents the subject as a series of succinct 2 page ' learning units ' , using a superb collection of clear illustrations and clinical photographs, concise yet comprehensive text and key point boxes to aid quick access to information and examination preparation. So whether you are a medical student, junior doctor, medical scientist, trainee in infectious diseases or student on another allied medical course, this book is here to make your life easier! It will also provide a very solid foundation for any who plan to delve deeper into this fascinating field. Part of the popular Illustrated Colour Text series Information presented in double page spreads for easy learning Highly illustrated with both full colour graphics and clinical photographs Each spread includes a key point box for exam preparation

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