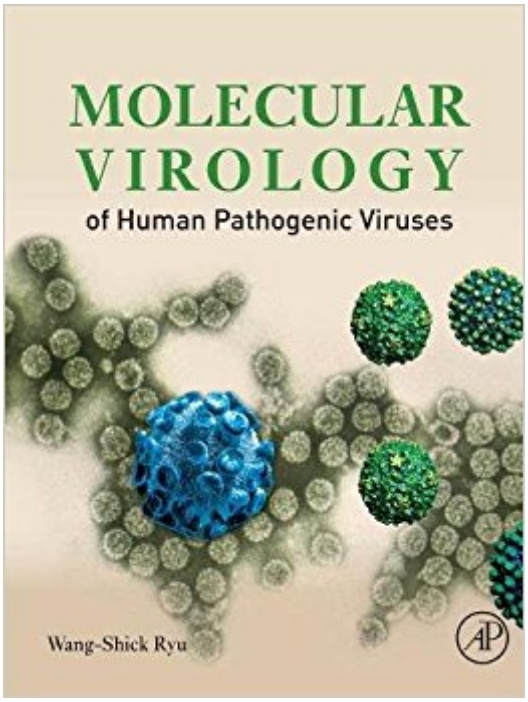
Molecular Virology Of Human Pathogenic Viruses



Synopsis

Molecular Virology of Human Pathogenic Viruses presents robust coverage of the key principles of molecular virology while emphasizing virus family structure and providing key context points for topical advances in the field. The book is organized in a logical manner to aid in student discoverability and comprehension and is based on the author's more than 20 years of teaching experience. Each chapter describes the viral life cycle covering the order of classification, virion and genome structure, viral proteins, viral genome replication, and the effect on host and an emphasis on virus-host interaction is conveyed throughout the text. Â Molecular Virology of Human Pathogenic Viruses provides essential information for students and professionals in virology, molecular biology, microbiology, infectious disease, and immunology and contains outstanding features such as study questions and recommended journal articles with perspectives at the end of each chapter to assist students with scientific inquiries and in reading primary literature.KEY FEATURES Presents viruses within their family structureCovers ten major human pathogenic viruses and miscellaneous viruses of clinical importanceIncludes a chapter "Newly Emerging Viruses", covering the recent Ebola and Zika virus outbreaksIncludes over 300 illustrations that are drawn with conceptual emphasisContains recent articles with perspectives to put primary literature in contextIncludes Study Questions and Answers to Study QuestionProvides access to online ancillary package inclusive of annotated PowerPoint images, instructor's manual, study guide, and test bank

Book Information

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Customer Reviews

"I am not a virologist, but I loved reading this book cover-to-cover, and every page answered questions that I had wondered about. Â I had a hard time putting the book down. The beauty ofÂ 'Molecular Virology of Human Pathogenic Viruses' is that it provides a conceptual framework forÂ understanding the various types of viruses in Chapter 1, and then integrates this framework withÂ the specific information of each group of viruses. This book is ideal for all levels of scientists interested in virology or for graduate courses in virology". Â Dr. Michael Lieber, Professor of Pathology, University of Southern California."Molecular Virology of Human Pathogenic Viruses concisely covers the essential topics for an advanced undergraduate or graduate virology class. Molecular virology of key pathogenic viruses is thoroughly covered, with significant discussion of host immune responses to viruses and viral pathology. Â Virology's evolving nature is emphasized through explanations of experimental approaches and biographical sketches of prominent virologists. Â Suggested readings, study questions, and journal club suggestions are provided to aid the students. Overall, this volume is a very welcome addition to the academic bookshelf that fills a gap between superficial review texts and detailed volumes suitable only for advanced topics classes."Â Â Dr. John Tavis, Professor of Molecular Microbiology and Immunology, St. Louis University School of Medicine. Â

This book is essentially written in the context of virus family. My teaching experience convinced me that the descriptionÂ by family is the best way of learning/teaching diverse viruses. Nonetheless, the principles that are shared by diverse virus families are described in Part I Principle that includes Classification, Structure, Virus Life Cycle, Diagnosis and Methods, and Host Immune Response. From Part II to Part IV, each chapterÂ covers anÂ individual virus family, focusingÂ one prototype of clinical importance. In my view, it is critical to arrange chapters in a logical manner, for example, according to Baltimore classification. Specifically, ten major human virus families are covered, in order of DNA viruses, RNA viruses, and reverse transcribing viruses. Other miscellaneous viruses are covered only briefly in the following chapters: Other DNA Viruses, Other Positive-Strand RNA Viruses, and Other Negative-Strand RNA Viruses. Other related viruses are described in Part V including Viral vectors, Subviral agents, and New emerging viruses. Finally, Part VI Viruses and Disease features medically related content, such as HIV and AIDS,Vaccines, and Antivirals.

Book contents are very well oganized and it is really useful as a text book. Especially the book has a nice chapter for New emerging viruses including SARS and MERS. The book also provides a fantastic summary about all the virus-related disease in Part VI, which is easy to read. Highly

recommend as a textbook and good for self study, too.

very easy. you don’t have to worry about absenting class. just believe this text book.you can atudy alone without progfesor or professionals.The author is researcher. therefore, this guy perfectly understand molecular biology.virus classification according to baltimote classfication make your understanding easy and fast! you can easily learn dna , rna, rt viruses and their subviruses.don’t hesitate to buy it.

Molecular Virology of Human Pathogenic Viruses Fields Virology (Knipe, Fields Virology)-2 Volume Set 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) Pathogenic Fungi in Humans and Animals (Mycology) Zoonotic Tuberculosis: Mycobacterium bovis and Other Pathogenic Mycobacteria Identification of Pathogenic Fungi Fundamentals of Molecular Virology Principles of Virology: Volume 1 Molecular Biology Principles of Molecular Virology, Fifth Edition The Molecular Virology and Epidemiology of Influenza Viruses and Human Disease, Second Edition Nursing: Human Science And Human Care (Watson, Nursing: Human Science and Human Care) Essential Human Virology Human Virology Human Virology: A Text for Students of Medicine, Dentistry and Microbiology Zoonoses And The Contribution Of Disease-free Pets To Human Health: A Guide to Pet Owners (Advances in Medical and Veterinary Virology, Immunology and Epidemiology) Brody’s Human Pharmacology: Molecular to Clinical With STUDENT CONSULT Online Access, 4e (Human Pharmacology (Brody)) Molecular Biology (WCB Cell & Molecular Biology) Current Topics in Computational Molecular Biology (Computational Molecular Biology)