



Fields Virology

**Bernard N. Fields, David Mahan
Knipe, Peter M. Howley, Diane E. Griffin**



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Fields' Virology David Mahan Knipe, Peter M. Howley, 2007 Accompanying CD ROM has same title as book **Fields' Virology** Bernard N. Fields, David Mahan Knipe, Peter M. Howley, Diane E. Griffin, 2007 Established for 20 years as the definitive virology reference the two volume classic *Fields Virology* is in its thoroughly revised updated Fifth Edition More than 100 world renowned investigators provide encyclopedic coverage of every aspect of contemporary virology including the pathogenesis of viral diseases and the molecular biology replication and clinical significance of all known virus families This edition has many new international contributing authors and a greater emphasis on clinical relevance Coverage includes new material on viruses and biodefense emerging and re emerging viruses the human virome mononegavirales and henipaviruses This edition also has a new two color design and a revised art program unifying replication and virions images A new bound in CD ROM contains a viral image bank *Fields Virology* David M. Knipe, Peter Howley, 2013-05-21 *Fields Virology* is the authoritative reference book for virology providing definitive coverage of all aspects of virology including thorough coverage of virus biology as well as replication and medical aspects of specific virus families With the regular outbreaks of influenza noroviruses as well as other emerging and re emerging viruses it is essential to have the most up to date information available With this Sixth Edition all chapters have been completely updated an important new emphasis has been placed on virus discovery and emerging viruses Viruses associated with cancer including the new human polyomaviruses are highlighted in this Sixth Edition and new chapters have been added on circoviruses and mimiviruses While the main focus of this edition continues to be on viruses information on prions and the infectious spongiform encephalopathies are also included *Fields Virology: Fundamentals* Peter M Howley, David M Knipe, Lynn W Enquist, 2023-02-14 Now in four convenient volumes *Field s Virology* remains the most authoritative reference in this fast changing field providing definitive coverage of virology including virus biology as well as replication and medical aspects of specific virus families *Fields Virology* David Mahan Knipe, 2001 **Fields Virology: DNA Viruses** Peter M. Howley, David M. Knipe, Jeffrey L. Cohen, Blossom A. Damania, 2021-05-17 Bundled with the eBook which will be updated regularly as new information about each virus is available this text serves as the authoritative up to date reference book for virologists infectious disease specialists microbiologists and physicians as well as medical students pursuing a career in infectious diseases **Fields Virology: RNA Viruses** Peter M. Howley, David M. Knipe, Sean Whelan, Eric O. Freed, 2022-06-09 Now in four convenient volumes *Field s Virology* remains the most authoritative reference in this fast changing field providing definitive coverage of virology including virus biology as well as replication and medical aspects of specific virus families This volume of *Field s Virology RNA Viruses* Seventh Edition covers the latest information on RNA viruses how they cause disease how they can cause epidemics and pandemics new therapeutics and vaccine approaches as provided in new or extensively revised chapters that reflect these advances in this dynamic field Bundled with the eBook which will be updated regularly as new information

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Fields Virology Bernard N. Fields, David Mahan Knipe, 1990

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Fields Virology David M. Knipe, Peter M. Howley, 2015-04-24

Fields Virology is the authoritative reference book for virology providing definitive coverage of all aspects of virology including thorough coverage of virus biology as well as replication and medical aspects of specific virus families With the regular outbreaks of influenza noroviruses as well as other emerging and re emerging viruses it is essential to have the most up to date information available With this Sixth Edition all chapters have been completely updated an important new emphasis has been placed on virus discovery and emerging viruses Viruses associated with cancer including the new human polyomaviruses are highlighted in this Sixth Edition and new chapters have been added on circoviruses and mimiviruses While the main focus of this edition continues to be on viruses information on prions and the infectious spongiform

encephalopathies are also included Full color throughout with over 1 000 illustrations in total and most chapters provide key figures for use as lecture slides Online companion website with fully searchable text all references linked to PubMed and additional material not found in the print for access to content anytime New coverage of emerging and viruses including those causing influenza and HIV Updated coverage of viruses and cancer u2022 Coverage includes virus structure virus entry replication and assembly virus host cell interactions host immune responses and vaccines antiviral therapeutics virus evolution and immunization Thorough coverage of all viruses of medical importance including both basic science and clinical features New chapters on circoviruses and mimiviruses and a new section on Chikungunya virus have been added Important advances in antivirals including new HCV protease inhibitors and HIV integrase inhibitors **Fields Virology Volume 1** Bernard Fields,1995 *Infectious Diseases in Immunocompromised Hosts* Vassil St. Georgiev,1997-12-29 Because of limited access to medical libraries and medical journals the majority of clinicians may find it difficult to keep informed on the latest developments in drug manufacture and treatment of infectious diseases in immunocompromised patients This new handbook strives to fulfill the need for information in this area of medicine This is the first book on drug development and treatment of infectious diseases in immunocompromised hosts It integrates both results from large scale clinical trials and single cases as well as small groups of patients It covers bacterial viral parasitic and fungal infections including a wide array of diseases Infectious Diseases in Immunocompromised Hosts encompasses not only opportunistic infections associated exclusively with immunocompromised patients but also common infections that become life threatening for immunosuppressed individuals

Fields Virology David M. Knipe,2007-11-01 Viruses and Human Disease Ellen G. Strauss,James H. Strauss,2007-09-21 Completely revised and updated the new edition of this groundbreaking text integrates basic virology with pathophysiological conditions to examine the connection between virology and human disease Most virology textbooks focus on the molecular biology involved without adequate reference to physiology This text focuses on viruses that infect humans domestic animals and vertebrates and is based on extensive course notes from James Strauss virology class at the California Institute of Technology taught for over 30 years Expertly depicting in color the molecular structure and replication of each virus it provides an excellent overview for students and professionals interested in viruses as agents of human disease Includes over 30% new material virtually all of the figures and tables have been redrawn to include the latest information and the text has been extensively rewritten to include the most up to date information Includes a new chapter on emerging and reemerging viral diseases such as avian flu SARS the spread of West Nile virus across America and the continuing spread of Nipah virus in Southeast Asia Further reading sections at the end of each chapter make it easy find key references World maps depicting the current distribution of existing and newly emerging viruses are also incorporated into the text Fields Virology Peter M. Howley,David M. Knipe,2023 **Encyclopedia of Virology** Allan Granoff,Robert G. Webster,1999-07-27 In recent years progress in the field of virology has advanced at an unprecedented rate Issues such as

AIDS have brought the subject firmly into the public domain and its study is no longer confined solely to specialist groups. The Encyclopedia of Virology is the largest single reference source of current virological knowledge. It is also the first to bring together all aspects of the subject for a wide variety of readers. Unique in its use of concise mini review articles, the material covers biological, molecular and medical topics concerning viruses in animals, plants, bacteria and insects. More general articles focus on the effects of viruses on the immune system, the role of viruses in disease, oncology, gene therapy and evolution, plus a wide range of related topics. Drawing on the latest research, the editors have produced the definitive source for both specialist and general readers. Easy to use and meticulously organized, the Encyclopedia of Virology clarifies and illuminates one of the most complex areas of contemporary study. It will prove an invaluable addition to libraries, universities, medical and nursing schools and research institutions around the world. The Second Edition has been thoroughly updated with approximately 40 new articles. This edition includes more illustrations and color plates in each volume. Updated thoroughly with approximately 40 new articles. Presents more illustrations than the first edition with color plates in each volume. Contains a complete subject index in each volume. Provides further reading lists at the end of each entry, allowing easy access to the primary literature. Extensive cross referencing system links all related articles. Contains the most recent information of particular viruses described at the 7th International Committee on Taxonomy and Classification of Viruses. Provides the ability to search for entries alphabetically or via the taxonomical listings to access articles of different viruses.

Fields Virology, Vol. 1-2 B. N. Fields, 1990 *Reoviruses I* Kenneth L. Tyler, Michael B.A. Oldstone, 2013-04-17

Reoviruses are one of the most important viral groups for understanding the molecular and genetic basis for viral pathogenesis. These two volumes cover virtually all aspects of reovirus biology. Volume I begins with a review of reovirus structure; further chapters deal with functions of the reovirus structural proteins, the assembly of the genome and reovirus mutants. Volume II reviews general mechanisms of reovirus persistent infection and cytopathic effects and then discusses reovirus induced disease in specific organ systems including the heart, nervous and endocrine systems, liver and biliary system and intestine. Together these two volumes provide a current and comprehensive review of the mammalian reoviruses.

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