



The Role of Animals in Emerging Viral Diseases

From Brand: Academic Press

Download now

Read Online ➔

The Role of Animals in Emerging Viral Diseases From Brand: Academic Press

The Role of Animals in Emerging Viral Diseases presents what is currently known about the role of animals in the emergence or re-emergence of viruses including HIV-AIDS, SARS, Ebola, avian flu, swine flu, and rabies. It presents the structure, genome, and methods of transmission that influence emergence and considers non-viral factors that favor emergence, such as animal domestication, human demography, population growth, human behavior, and land-use changes.

When viruses jump species, the result can be catastrophic, causing disease and death in humans and animals. These zoonotic outbreaks reflect several factors, including increased mobility of human populations, changes in demography and environmental changes due to globalization. The threat of new, emerging viruses and the fact that there are no vaccines for the most common zoonotic viruses drive research in the biology and ecology of zoonotic transmission.

In this book, specialists in 11 emerging zoonotic viruses present detailed information on each virus's structure, molecular biology, current geographic distribution, and method of transmission. The book discusses the impact of virus emergence by considering the ratio of mortality, morbidity, and asymptomatic infection and assesses methods for predicting, monitoring, mitigating, and controlling viral disease emergence.

- Analyzes the structure, molecular biology, current geographic distribution and methods of transmission of 10 viruses
- Provides a clear perspective on how events in wildlife, livestock, and even companion animals have contributed to virus outbreaks and epidemics
- Exemplifies the "one world, one health, one medicine" approach to emerging disease by examining events in animal populations as precursors to what could affect humans

↓ [Download The Role of Animals in Emerging Viral Diseases ...pdf](#)

 [Read Online The Role of Animals in Emerging Viral Diseases ...pdf](#)

The Role of Animals in Emerging Viral Diseases

From Brand: Academic Press

The Role of Animals in Emerging Viral Diseases From Brand: Academic Press

The Role of Animals in Emerging Viral Diseases presents what is currently known about the role of animals in the emergence or re-emergence of viruses including HIV-AIDS, SARS, Ebola, avian flu, swine flu, and rabies. It presents the structure, genome, and methods of transmission that influence emergence and considers non-viral factors that favor emergence, such as animal domestication, human demography, population growth, human behavior, and land-use changes.

When viruses jump species, the result can be catastrophic, causing disease and death in humans and animals. These zoonotic outbreaks reflect several factors, including increased mobility of human populations, changes in demography and environmental changes due to globalization. The threat of new, emerging viruses and the fact that there are no vaccines for the most common zoonotic viruses drive research in the biology and ecology of zoonotic transmission.

In this book, specialists in 11 emerging zoonotic viruses present detailed information on each virus's structure, molecular biology, current geographic distribution, and method of transmission. The book discusses the impact of virus emergence by considering the ratio of mortality, morbidity, and asymptomatic infection and assesses methods for predicting, monitoring, mitigating, and controlling viral disease emergence.

- Analyzes the structure, molecular biology, current geographic distribution and methods of transmission of 10 viruses
- Provides a clear perspective on how events in wildlife, livestock, and even companion animals have contributed to virus outbreaks and epidemics
- Exemplifies the "one world, one health, one medicine" approach to emerging disease by examining events in animal populations as precursors to what could affect humans

The Role of Animals in Emerging Viral Diseases From Brand: Academic Press Bibliography

- Sales Rank: #3532211 in Books
- Brand: Brand: Academic Press
- Published on: 2013-10-28
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x .90" w x 6.20" l, 1.65 pounds
- Binding: Hardcover
- 364 pages

 [Download The Role of Animals in Emerging Viral Diseases ...pdf](#)

 [Read Online The Role of Animals in Emerging Viral Diseases ...pdf](#)

Editorial Review

Review

"The particular value of this new compilation lies in the authority and expertise of the selected authors...valuable to a more specialized audience that needs to look beyond generalities to consider those factors that may help to change the course of emergence and reduce disease. Rating: 4 Stars"--*Doody's.com*, **10-Oct-14**

From the Back Cover

When viruses jump species, the result can be catastrophic, causing disease and death in both humans and animals. HIV-AIDS, SARS, Ebola, Avian Flu, Swine Flu, and Rabies are all emerging or re-emerging infectious diseases caused by such zoonotic transmissions. These outbreaks reflect a number of factors including rapid international travel, population growth and environmental changes due to globalization. The threat of new emerging viruses and the fact that there are no vaccines for the most common zoonotic viruses, drive research in both the biology and ecology of zoonotic transmission.

The Role of Animals in Emerging Viral Diseases presents what is currently known about the role of animals in the emergence of these viruses. It covers the structure, genome, and methods of transmission that influence emergence, and considers non-viral factors that favor emergence such as animal domestication, human demography, population growth, human behavior, and land-use changes. Specialists in each of the ten emerging viruses present detailed information on each virus' structure, molecular biology, current geographic distribution, and method of transmission. The book discusses the impact of virus emergence and considers methods for detecting, monitoring, mitigating, and controlling viral disease emergence.

- Analyzes the structure, molecular biology, current geographic distribution and methods of transmission of 10 viruses
- Provides a clear perspective on how events in wildlife, livestock, and even companion animals have contributed to virus outbreaks and epidemics
- Exemplifies the "One World One Health One Medicine" approach to emerging disease by examining events in animal populations as precursors to what could affect humans
- An authoritative single-source reference for virologists, veterinarians, clinicians, infectious disease specialists, graduate students, and researchers

About the Author

Nick Johnson has worked in biological research for over 20 years working on projects as diverse as HIV pathogenic mechanisms to transmission of bat borne diseases. The main focus of his research over the past fourteen years has been the investigation of the epidemiology and disease mechanisms of zoonotic viruses including rabies virus, West Nile virus and tick-borne encephalitis virus. He has published extensively through original research in peer-review journals, commissioned reviews and book chapters.

Users Review

From reader reviews:

Anna Sanders:

Why don't make it to be your habit? Right now, try to prepare your time to do the important action, like looking for your favorite reserve and reading a reserve. Beside you can solve your problem; you can add your knowledge by the book entitled The Role of Animals in Emerging Viral Diseases. Try to stumble through book The Role of Animals in Emerging Viral Diseases as your close friend. It means that it can to be your friend when you really feel alone and beside regarding course make you smarter than in the past. Yeah, it is very fortunated in your case. The book makes you a lot more confidence because you can know every little thing by the book. So , let me make new experience and also knowledge with this book.

Blanche Ball:

Often the book The Role of Animals in Emerging Viral Diseases has a lot associated with on it. So when you read this book you can get a lot of benefit. The book was published by the very famous author. Tom makes some research just before write this book. This book very easy to read you can find the point easily after reading this article book.

James Sweeney:

Is it an individual who having spare time after that spend it whole day simply by watching television programs or just lying on the bed? Do you need something new? This The Role of Animals in Emerging Viral Diseases can be the reply, oh how comes? It's a book you know. You are therefore out of date, spending your free time by reading in this fresh era is common not a geek activity. So what these books have than the others?

Robert Wilkes:

Don't be worry should you be afraid that this book will certainly filled the space in your house, you might have it in e-book approach, more simple and reachable. This specific The Role of Animals in Emerging Viral Diseases can give you a lot of close friends because by you investigating this one book you have point that they don't and make you more like an interesting person. This kind of book can be one of one step for you to get success. This e-book offer you information that maybe your friend doesn't realize, by knowing more than some other make you to be great men and women. So , why hesitate? Let me have The Role of Animals in Emerging Viral Diseases.

Download and Read Online The Role of Animals in Emerging Viral Diseases From Brand: Academic Press #K6L9RIP2D8J

Read The Role of Animals in Emerging Viral Diseases From Brand: Academic Press for online ebook

The Role of Animals in Emerging Viral Diseases From Brand: Academic Press Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Role of Animals in Emerging Viral Diseases From Brand: Academic Press books to read online.

Online The Role of Animals in Emerging Viral Diseases From Brand: Academic Press ebook PDF download

The Role of Animals in Emerging Viral Diseases From Brand: Academic Press Doc

The Role of Animals in Emerging Viral Diseases From Brand: Academic Press Mobipocket

The Role of Animals in Emerging Viral Diseases From Brand: Academic Press EPub

K6L9RIP2D8J: The Role of Animals in Emerging Viral Diseases From Brand: Academic Press