# Table of Contents

1. Introduction: pestilence, plague, bioterrorism  
   *Paul F. Torrence*

Viral bioterrorism and antiviral countermeasures  
   *Mike Bray*

Overview of antiviral drug discovery and development  
   *Christopher K. Tseng*

Antiviral drug targets and strategies for emerging viral diseases and bioterrorism threats  
   *Erik De Clercq*

Perspectives for the therapy against arenavirus infections  
   *Elsa B. Damonte, Cybele C. Garcia*

S-adenosylhomocysteine hydrolase inhibitors as a source of anti-filovirus agents  
   *Stewart W. Schneller, Minmin Yang*

Antiviral strategies for Ebola virus  
   *Jillian M. Licata, Ronald N. Harty*

IMPDH inhibitors: discovery of antiviral agents against emerging diseases  
   *Vasu Nair*

Lethal mutagenesis: exploiting error-prone replication of riboviruses for antiviral therapy  
   *Jason D. Graci, Craig E. Cameron*

Structural biology of flaviviral replication and opportunities for drug design  
   *Krishna Murthy*

Confronting new and old antiviral threats: broad spectrum potential of prenylation inhibitors  
   *Menashe Elazar, Jeffrey S. Glenn*

West Nile virus: new targets for potential antivirals  
   *Matthias Kalitzky, Holger Rohde, Peter Borowski*

The emergence of pandemic influenza A: bioterrorist versus Mother Nature  
   *John S. Oxford, Alison Boyers, Alex Mann, R. Lambkin*

Discovery and development of new antivirals for smallpox  
   *Earl R. Kern*

Viral countermeasures to the host interferon response: role of the Vaccinia virus E3L and K3L genes  
   *Jeffrey O. Langland, Vanessa Lancaster, Bertram L. Jacobs*

Broad-spectrum antiviral prophylaxis: inhibition of viral infection by polymer grafting with methoxypoly(ethylene glycol)  
   *Lori L. McCoy, Mark D. Scott*

Viral evasion of the interferon system: novel targets for drug discovery  
   *Paul F. Torrence, Linda Powell*