

1. Record Nr.	UNINA9910816984803321
Titolo	New challenges to health : the threat of virus infection // edited by G.L. Smith ... [et al.]
Pubbl/distr/stampa	Cambridge ; ; New York, : Cambridge University Press, 2001
ISBN	1-107-13112-X 1-280-95572-4 9786610955725 1-139-13030-7 0-511-35123-2 0-511-14133-5 0-511-14101-7 0-511-75488-4 0-511-14125-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (ix, 347 pages) : digital, PDF file(s)
Collana	Society for General Microbiology. Symposia ; ; 60
Altri autori (Persone)	SmithGeoffrey L. <1955->
Disciplina	616/.0194
Soggetti	Virus diseases Medical virology Infection
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Proceedings of a meeting 'New challenges to health: the threat of virus infection' organized by the Society for General Microbiology at Heriot-Watt University, Edinburgh, in March 2001"-Pref. Published for the Society of General Microbiology.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Viruses in our past, the viruses in our future / C.J. Peters -- Dynamics and epidemiological impact of microparasites / B.T. Grenfell -- Continuing threat of bunyaviruses and hantaviruses / R.M. Elliott -- Cilicivirus, myxoma virus and the wild rabbit in Australia / B.J. Richardson -- Potential of influenza A viruses to cause pandemics / A.J. Hays -- Hepatitis viruses as emerging agents of infectious diseases / S. M. Lemon -- Emergence of human immunodeficiency viruses and AIDS / R.A. Weiss and H.A. Weiss -- Morbilliviruses / T. Barrett -- Structure-function analysis of prion protein / C. Weissmann [and others] --

Endogenous retroviruses and xenotransplantation / J.P. Stoye --  
Gammaherpesviral infections and neoplasia in immunocompromised  
populations / C. Bosoff -- Structure and function of the proteins of  
Marburg and Ebola viruses / H.-D. Klenk [and others] -- Epidemic  
dengue/dengue haemorrhagic fever as a public health problem in the  
21st century / D.J. Gubler -- Borna disease virus, a threat for human  
mental health? / L. Bode and H. Ludwig.

---

Sommario/riassunto

Viruses continually evolve and adapt, posing new threats to health. This book discusses the ecology of viruses with particular emphasis on the emergence of devastating haemorrhagic disease, and reviews the molecular and cell biological basis of the pathogenesis of several virus diseases. An introduction is given to the mathematical analysis of recurrent epidemic virus disease, such as measles. Neurological and psychological disease is discussed in relation to the pathological mechanisms that may underlie prion disease (such as new variant CJD) and to the possible virus involvement in human psychiatric illness. Virus infections that have come to prominence recently (HIV, bunyaviruses, morbilliviruses and caliciviruses) or that remain a threat (influenza and hepatitis viruses) are discussed. There are also chapters on new and potential niches for virus infections in the immunocompromised, and the problem of the emergence of antiviral drug resistance in viruses for which therapies exist.

---