

New Challenges To Health

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Presents the latest discussions of the ecology of viruses and reviews the underlying mechanisms by which viruses cause disease. 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. EAN/ISBN : 9780511141171 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Smith, G. L. - Irving, W. L. - McCauley, J. W.

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