



Lecture Notes On Emerging Viruses And Human Health: A Guide To Zoonotic Viruses And Their Impact (Hardback)

By Colin R. Howard

World Scientific Publishing Co Pte Ltd, Singapore, 2012. Hardback. Condition: New. Language: English . Brand New Book. Emerging diseases are a major threat to modern societies, impacting individual welfare as well as economic development. The trend of newly emerging diseases has accelerated in the last two decades to such an extent that a new emerging infection is described at least once a year. The majority of such threats to modern society have been due to emergent viruses. This series of lecture notes provides grounding in understanding the drivers of disease emergence, the molecular processes which allow for virus diversity, the response of the host and environmental factors responsible for changing the balance between host and pathogen. Groups of viruses are described, each selected to illustrate certain features of disease emergence. These examples best illustrate how from past experience we may best be able to predict future outbreaks of novel diseases. Expecting the unexpected is a major challenge for health care personnel and public health officials alike, and the stakes have never been higher. As such, this book provides a timely overview of how best to prepare for disease emergence as it intends to increase awareness of how vulnerable modern society is in...



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