
Preface

Chikungunya virus (CHIKV) is a mosquito-borne, single-stranded, positive-sense RNA virus belonging to the *alphavirus* genus of the family *Togaviridae*. CHIKV infection in humans has re-emerged as a significant infectious disease which is no longer confined to developing countries in the tropics due to recent outbreaks in various geographical regions worldwide including America and Europe. *Chikungunya: Methods and Protocols* provides the increasing number of CHIKV researchers a useful handbook covering multidisciplinary approaches on various aspects of CHIKV research brought together by leading laboratories across the globe. Topics covered include techniques in clinical and diagnostic virology, basic protocols in cell and virus culture, and bioinformatics and proteomics approaches in cellular response studies. In addition, methods in immunology and animal model studies, as well as different strategies of antivirals and vaccine development for therapeutics against CHIKV infection are also covered in this comprehensive handbook.

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