



viruses



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Cellular Factors in HBV and HDV Replication and Pathogenesis

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Message from the Guest Editors

Dear Colleagues,

Replication of both viruses requires obligatory cellular factors in the host machinery. Cellular factors that have been identified play cooperative and restrictive roles in HBV replication. However, those in the steps of e.g., nuclear import of nucleocapsids, formation and transcription of covalently closed circular DNA, are largely uncharacterized. HDV is a defective RNA virus with a viroid-like RNA genome for replication. It also requires compulsory HBV envelope proteins in the same cell for virion assembly. Both HBV and HDV share some factors in their replication and pathogenesis, but each of them hijacks a number of virus-specific factors.

Ten years since the discovery of the functional HBV and HDV receptor NTCP, this is an exciting opportunity to further promote HBV and HDV research. This Special Issue aims to update recent advances in (I) novel cellular factors (e.g., proteins, RNA), (II) the new role of previously reported factors in HBV and HDV replication and pathogenesis, and (III) host determinants allowing better in vitro and in vivo infection models.



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Special Issue



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Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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