



Cellular Factors in HBV and HDV Replication and Pathogenesis

Guest Editors:

Dr. Bingqian Qu

Department of Veterinary
Medicine, Paul Ehrlich Institute,
63225 Langen, Germany

Dr. Chunkyu Ko

Infectious Diseases Therapeutic
Research Center, Korea Research
Institute of Chemical Technology
(KRICT), Daejeon 34114, Korea

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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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Editor-in-Chief

Dr. Eric O. Freed

Director, HIV Dynamics and
Replication Program, Center for
Cancer Research, National
Cancer Institute, Frederick, MD
21702-1201, USA

Message from the Editor-in-Chief

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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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Viruses Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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