

## Special Issue

# HIV Assembly, Release and Maturation

### Message from the Guest Editor

The late stages of the HIV-1 replication cycle—assembly, release, and maturation—have previously defied detailed structural characterization due to the complexity of the multi-scale structural reorganizations involved. Recent progress in cryo-electron microscopy, structural biology, molecular biology, solid-state NMR, and the application of molecular modeling to large systems has now revealed the intricacies of the complex sequence of events that controls these stages. Research papers exploring the implications of these findings to the replication cycle of HIV-1, drug design, and therapeutic interventions are invited to contribute to this Special Issue. Studies focusing on the virology, cell biology, and biochemistry of these stages are appropriate. Interdisciplinary studies are also welcome.

### Guest Editor

Dr. Siddhartha Datta

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### Deadline for manuscript submissions

closed (31 July 2025)



## Viruses

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## About the Journal

### 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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### Editor-in-Chief

Dr. Eric O. Freed

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).