Special Issue

Molecular Determinants of Enveloped Virus Assembly

Message from the Guest Editor

Enveloped viruses assemble at diverse locations within the infected cell and acquire their lipid bilayers during budding through cellular membranes. Although Gag alone is sufficient for the production of retroviral particles, in several other viral systems, co-expression of multiple viral proteins is required for efficient particle assembly and release. In all enveloped viral systems, incorporation of the envelope glycoproteins is an essential step in the formation of infectious particles, and many viruses undergo maturation events during or shortly after assembly and release. In addition to viral components, cellular factors play critical roles at various stages of virus assembly and release. The main goal of this issue is to present a collection of papers that will offer special insights into the molecular determinants of viral and cellular factors essential for the assembly of enveloped viruses. I hope that this Special Issue will serve as a valuable resource to both new and established researchers in the field.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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