Special Issue

Baculovirus Advances and Applications

Message from the Guest Editors

It is now more than 30 years since the use of baculoviruses as expression vectors was first described. Since then, many hundreds, if not thousands, of genes have been expressed in insect cells using the baculovirus system. Advances have been made to enable multiple genes to be expressed that can assemble into protein complexes including virus-like particles. High yields of quality proteins including those targeted to membranes or for secretion can be attained. The vectors have also been modified to facilitate gene expression in mammalian and human cells. These developments have enabled the insect expression system to be at the forefront of developments to produce new vaccines for human and animal health, and as a vector for the delivery of genes into human tissue. It is these developments that form the focus of this Special Issue.

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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.

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