

## Special Issue

# Human Cytomegalovirus Therapeutic Strategies and Clinical Applications

### Message from the Guest Editor

Human cytomegalovirus (HCMV) is the most common congenital infection worldwide and significantly impacts morbidity, mortality, and cost of care after transplantation. It affects pregnancies, child health, and transplant outcomes. Despite its critical impact on human health, treatment options for HCMV are limited. The nucleoside analog ganciclovir (GCV) and its oral formulation val-GCV improved transplant outcomes, val-GCV may prevent hearing deterioration in congenitally infected children. However, long-term use can lead to severe bone marrow toxicity and resistance. Alternative drugs for GCV-resistant HCMV, foscarnet, and cidofovir, also target viral DNA polymerase; both are nephrotoxic and require intravenous administration. New agents like the terminase inhibitor letermovir and the UL97 kinase inhibitor maribavir have been approved for specific HCMV cases. Given the emergence of resistance to all agents, there's a great need for additional treatment options for HCMV, including new therapeutic strategies. The Special Issue will focus on recent advances in HCMV therapeutic strategies and specific treatment considerations for patients at risk for CMV disease.

### Guest Editor

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### Deadline for manuscript submissions

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## Viruses

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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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### Editor-in-Chief

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