

## Special Issue

# Research and Clinical Application of Adenovirus (AdV)

### Message from the Guest Editor

Adenovirus (AdV) is one of the most versatile viral backbones with applications ranging from gene delivery and treatment of monogenic diseases to vaccination and cancer therapy. Adenoviruses can target a broad spectrum of both dividing and non-dividing cells, do not integrate into host DNA, have high in vivo transduction capacity, and are well characterized, thereby allowing for countless modifications of their genetic structure. It is difficult to overestimate the value of AdV during the COVID-19 pandemic as, to date, AdV represents the most effective viral vector platform for anti-SARS-CoV-2 vaccines. The recent clinical successes have also demonstrated the promise of tumor-selective, infectivity-improved oncolytic adenoviruses for cancer gene therapy and highlighted their role in inducing anticancer immunity. In this Special Issue, we will discuss the most recent advances in adenovirus research and how AdV can be used to treat human diseases.

### Guest Editor

Dr. Julia Davydova

Department of Surgery, University of Minnesota, Minneapolis, MN 55455, USA

### Deadline for manuscript submissions

closed (15 April 2023)



## Viruses

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/117938](https://mdpi.com/si/117938)

*Viruses*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[viruses@mdpi.com](mailto:viruses@mdpi.com)

[mdpi.com/journal/  
viruses](https://mdpi.com/journal/viruses)





# Viruses

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/journal/  
viruses](https://mdpi.com/journal/viruses)



## 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

Dr. Eric O. Freed

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

#### Journal Rank:

JCR - Q2 (Virology) / CiteScore - Q1 (Virology/Infectious Diseases)

#### Rapid Publication:

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).