



*viruses*



an Open Access Journal by MDPI

## Mechanism of Receptor Recognition in Coronavirus

Guest Editor:

**Dr. Qibin Geng**

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

Deadline for manuscript  
submissions:

**31 October 2024**

### Message from the Guest Editor

In recent decades, the scientific community has made remarkable advancements in unraveling the mechanisms of receptor recognition in coronaviruses, a critical facet in the field of virology. More recently, during the COVID-19 pandemic, the critical role of the ACE2 receptor in SARS-CoV-2 entry was elucidated, marking a pivotal moment in contemporary research. As the field of coronavirus receptor recognition advances, it is confronted with a myriad of intricate challenges, each holding significant importance and necessitating a multifaceted approach for effective navigation. Among these challenges is the burgeoning exploration into the roles of alternative receptors and co-receptors, which highlights the complex virus–host dynamics that define these pathogens.

This Special Issue invites contributions that offer a panoramic view of the current state of research in this field, encouraging submissions that not only delve into the molecular intricacies of receptor recognition across the diverse coronavirus family but also address the pressing challenges that impede progress in this critical area of study.



[mdpi.com/si/185208](https://mdpi.com/si/185208)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Eric O. Freed

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

## 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.

## Author Benefits

**Open Access:** free for readers, with **article processing charges (APC)** paid by authors or their institutions.

**High Visibility:** indexed within **Scopus**, **SCIE (Web of Science)**, **PubMed**, **MEDLINE**, **PMC**, **Embase**, **PubAg**, **AGRIS**, and **other databases**.

**Journal Rank:** JCR - Q2 (*Virology*) / CiteScore - Q1 (*Infectious Diseases*)

## Contact Us

*Viruses* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/viruses](http://mdpi.com/journal/viruses)  
[viruses@mdpi.com](mailto:viruses@mdpi.com)  
[X@VirusesMDPI](https://twitter.com/VirusesMDPI)