viruses

IMPACT FACTOR 4.7

Indexed in: PubMed

CITESCORE 7.1

an Open Access Journal by MDPI

T Cell-Mediated Antiviral Immunity

Guest Editor:

Dr. Mehul Suthar
Department of Pediatrics, Emory School of Medicine, Atlanta, GA 30322, USA

Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editor

Pattern recognition receptor signalling (TLRs, RLRs, CLRs, and NLRs) can recognize viral pathogen associated molecular patterns and can trigger a robust type-I interferon (IFN) and pro-inflammatory cytokine response that functions to control virus replication and limit spread within a host. Antigen presenting cells (e.g., dendritic cells) provide a critical link between these innate immune signals and priming T-cell responses that function to clear virus infection and provide protection against re-infection. Over the past 20 years, there have been tremendous research efforts to understand the underlying mechanisms that regulate both dendritic cell responses and the development of effector and memory antiviral T-cell responses during virus infection. These efforts have culminated in identifying key transcription factors, signaling components, and cytokines that ultimately determine T-cell fate and function. Recent technological advances and the use of integrated multi-omics-based approaches (e.g., epigenomic, transcriptomic, proteomic, metabolomic, and lipidomic) are providing an unprecedented and global assessment of T-cell responses during virus infection.

viruses

IMPACT FACTOR 4.7 | Indexed in: PubMed | CITESCORE 7.1

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

mdpi.com/journal/viruses
viruses@mdpi.com
𝕏@VirusesMDPI