

Special Issue

Foot-and-Mouth Disease Virus: Pathogenesis and Persistence

Message from the Guest Editors

Foot-and-mouth disease (FMD) remains a serious global threat to animal husbandry and free trade in animal products. Inactivated vaccines are being used successfully in the control of FMD in many parts of the world, but they have several well-known issues. Their production requires biological containment measures that are logistically challenging and cost-intensive, while their protective efficacy is often narrow and of short duration. In addition, these vaccines do not reliably protect against primary virus replication and persistent infection. A better understanding of the function of viral factors in FMD pathogenesis can pave the way for the development and validation of stably attenuated viruses that may be used as live vaccines, potentially overcoming some of the disadvantages of inactivated formulations. To this end, this Special Issue invites all submissions related to the pathogenesis of acute and persistent FMDV infection, with particular regard to virus attenuation by targeted alterations of the viral genome.

Guest Editors

Dr. Michael Eschbaumer
Dr. Florian Pfaff
Dr. Christine Luttermann

Deadline for manuscript submissions

closed (25 January 2024)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/81851

Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

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





Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

Prof. Dr. Moriya Tsuji

School of Engineering Medicine, Texas A&M University, 2121 West
Holcombe Blvd., Suite 1007, Houston, TX 77030, USA

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, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

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