

Special Issue

Advanced Research on Vaccine Development for Infectious Diseases

Message from the Guest Editors

Vaccination stands among the most decisive public health interventions in human history. Different milestones stand out along this long journey from those rather rudimentary but pioneering approaches to modern vaccines: the development of bacterial culture techniques, the ability to produce in vitro viruses in tissue cultures, and new strategies applied from the molecular biology and advanced chemistry perspectives. As a result, an enormous array of vaccination strategies emerged, significantly improving the sanitary situation at a global scale within the One Health perspective. This Special Issue will focus on original reports and reviews investigating the generation of novel vaccines against infectious agents and new approaches for evaluating vaccine-induced immune responses. Potential topics related to human and animal vaccinology include, but are not limited to, the following:

- Reverse genetics applied to vaccine development;
- New adjuvants and immunostimulatory strategies;
- Rationally designed live attenuated vaccines;
- Systems immunology applied to vaccine development and evaluation.

Guest Editors

Dr. Mariano Pérez-Filgueira

Instituto Nacional de Tecnología Agropecuaria, Hurlingham, Buenos Aires, Argentina

Dr. Alejandra Capozzo

Instituto de Virología e Innovaciones Tecnológicas, INTA-CONICET, Hurlingham, Buenos Aires, Argentina

Deadline for manuscript submissions

closed (31 October 2023)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/168592

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. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, 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)