

Special Issue

Vaccines for Porcine Diseases

Message from the Guest Editors

Porcine diseases continue to threaten global animal health, food security, and economic stability. While vaccination remains the cornerstone of disease prevention and control, traditional platforms face limitations in safety, efficacy, and adaptability. Recent advances in biotechnology and insights into host pathogen interactions and porcine immunology are key to optimizing vaccine performance. To address urgent gaps in porcine vaccinology, we invite you to contribute to this Special Issue, which emphasizes interdisciplinary innovation to combat current and emerging threats. Topics include (but are not limited to) the following:

- **Next generation vaccine development:** mRNA, DNA, or viral vectored vaccines; multivalent vaccines for cross-protection against diverse strains; and structural biology guided antigen design.
- **Immune mechanisms and adjuvant innovation:** novel delivery routes; as well as adjuvant development; and cellular, humoral, and mucosal immunity.
- **Pathogen-specific challenges:** virulence factors and vaccine candidate targets, as well as strategies for universal vaccine design.

Guest Editors

Dr. Xiaohu Wang

Guangdong Province Key Laboratory of Livestock Disease Prevention, Guangdong Provincial Observation and Research Station for Animal Disease, Institute of Animal Health, Guangdong Academy of Agricultural Sciences, Baishigang, Wushan Street, Tianhe District, Guangzhou 510640, China

Dr. Lizette M. Cortes

Molecular Biomedical Sciences Department, and Comparative Medicine Institute, College of Veterinary Medicine, North Carolina State University, Raleigh, NC 27607, USA

Deadline for manuscript submissions

31 January 2026



Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 9.9
Indexed in PubMed



mdpi.com/si/239374

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

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





Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 9.9
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

Editor-in-Chief

Prof. Dr. Ralph A. Tripp

Department of Infectious Diseases, College of Veterinary Medicine,
University of Georgia, Athens, GA 30602-7387, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Medicine, Research and Experimental) /
CiteScore - Q1 (Pharmacology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.6 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).