

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

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About the Journal

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

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