

Special Issue

Transforming Veterinary Vaccinology: From Empirical Immunity to Scientific and Systems-Based Approaches

Message from the Guest Editors

This Special Issue aims to highlight the evolving landscape of veterinary vaccinology within the scope of the journal, *Vaccines*, by addressing not only cellular and humoral immunity-based approaches but also the simultaneous induction of systemic and mucosal immunity and, importantly, their experimental and multidimensional validation through advanced immune profiling. Topics of interest include the following: - Vaccine antigen discovery and characterization using AI-based epitope prediction, omics-driven host-pathogen interactions, and experimental efficacy validation; - Development and evaluation of traditional and next-generation vaccine platforms; - Multidimensional immune response profiling and identification of correlates of protection, with an emphasis on the biological validation of vaccine candidates following their design; - Field application studies and efficacy assessments of new veterinary vaccines; - Comparative vaccinology exploring immunological differences across various animal species; - Tailored vaccine strategies by species or disease. We look forward to receiving your contributions.

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.

Editor-in-Chief

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