

# Special Issue

## Animal Virology, Molecular Diagnostics and Vaccine Development

### Message from the Guest Editors

Viral infections have a significant impact on animal health worldwide, with major implications for agricultural production systems and biosecurity. Vaccination and diagnostic tools are important for preventing and controlling the spread of diseases among farm animals, which can have significant economic and social impacts. Early detection, management, and control of animal viruses facilitates improvements in the health and well-being of production animals. From a biosecurity perspective, effective vaccination and diagnostic tools will assist with risk mitigation, limit transmission, and identify potential incursions into disease-free countries. The ongoing COVID-19 pandemic has fuelled the development and wide-scale application of novel vaccine technologies and low-cost point-of-care nucleic acid diagnostic platforms for disease pathogens. This Special Issue of *Microorganisms* focuses on innovative point-of-care diagnostics tools and modern vaccines: development and applications for animal viruses of agricultural importance. We invite you to submit relevant contributions in the form of original research, systematic reviews, short communications, and other types of articles.

### Guest Editors

Dr. Elizabeth V. Fowler

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### Deadline for manuscript submissions

closed (31 July 2024)



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## About the Journal

### Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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### Editor-in-Chief

Dr. Nico Jehmlich

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).