

Special Issue

Pathogenesis and Microbiology of Porcine RNA Viruses

Message from the Guest Editors

Porcine RNA viruses, such as porcine Reproductive and Respiratory syndrome virus (PRRSV), classical swine fever virus (CSFV), porcine epidemic diarrhea virus (PEDV), cause global economic loss of at least billion dollars every year. Therefore, disease control is essential. The porcine industry now faces a dilemma as there are still some widely existing or emerging pathogens that lack effective vaccines or methods to prevent the infection, especially RNA viruses which have high a mutation rate and usually result in the partial or poor cross-reactivity or even immune escape from available vaccines. Therefore, a better understanding of pathogenesis and microbiology of these porcine RNA viruses might provide novel insights or strategies for vaccine or therapeutic developments, and foundational knowledge for investigating emerging diseases.

This Special Issue aims to collect a series of scientific articles focused on epidemiological diversity, host–virus interaction, host immune response against viruses, molecular biology of viruses, and modelling and vaccine development. In this Special Issue, original research articles and reviews are welcome.

Guest Editors

Dr. Yen-Chen Chang

Graduate Institute of Molecular and Comparative Pathobiology, School of Veterinary Medicine, National Taiwan University, Taipei, Taiwan

Prof. Dr. Chao-Nan Lin

Department of Veterinary Medicine, College of Veterinary Medicine, National Pingtung University of Science and Technology, Pingtung 91201, Taiwan

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

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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