Special Issue

Research on Swine Virus Infection and Immunity

Message from the Guest Editors

Swine viral diseases pose a severe threat to the swine industry due to their highly contagious nature, causing substantial economic losses and raising significant public health concerns. Notable examples include porcine reproductive and respiratory syndrome virus (PRRSV) and its novel isolates with distinct pathogenicity, highly pathogenic variants of porcine epidemic diarrhea virus (PEDV), swine rotavirus, African swine fever virus (ASFV), pseudorabies virus (PRV), Japanese encephalitis virus (JEV), and influenza viruses, which continuously mutate under various immune selection pressures. To address these challenges and improve disease control, there is an urgent need for innovative approaches to prevention, diagnosis, and treatment. We encourage scientists to contribute their experimental and theoretical findings in the following areas: genomic structure and function, immune evasion mechanisms, antiviral therapy, vaccine development, novel diagnostic assays, and other related aspects of swine virology.

Guest Editors

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"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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