Infection, Immune Escape, and Pathogenic Mechanism of African Swine Fever Virus

Guest Editor:

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Message from the Guest Editor

African swine fever virus (ASFV) has dealt a heavy blow to the global pig industry since it was introduced into China in 2018. ASF has spread rapidly worldwide due to the lack of safe, effective, and quality-controlled vaccines. However, the pathogenesis, immune evasion, and immune protection mechanism of ASFV is not fully understood, which brings great difficulties to the research and development of a safe and efficient ASF vaccine. The aim of this Special Issue is to study the infection and pathogenesis of ASFV as well as the molecular and cellular mechanisms of how ASFV escapes the host innate and adaptive immune responses.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: 1) the function of ASFV genes, 2) mechanism of ASFV infection and pathogenicity, 3) mechanisms of ASFV negatively regulating innate immune, 4) mechanism of ASFV regulating inflammatory response, 5) mechanisms of ASFV regulating autophagy, 6) mechanisms of ASFV inducing cell death, and 7) molecular and cellular mechanism of immune protection against ASFV.

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Special Issue

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Message from the Editor-in-Chief

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