Special Issue

Implications of Genetic Variation, Evolution, and Heterogenicity of PRRSV in the Development of a PRRSV Universal Vaccine

Message from the Guest Editor

Porcine respiratory and reproductive virus is still one of the most threating diseases that affects commercial swine worldwide. PRSSV infection causes reproductive failure and respiratory disease in grower-finisher pigs that lead to significant economic losses. The impact of PRRSV has become even more significant with the emergence of high pathogenic strains. Advances in transcriptomic, genomic, vaccinology, and adjuvant technology have provided new tools for the control and prevention of the disease. However, currently there is no vaccine that can successfully protect and prevent clinical presentation. The rapid evolution and genetic variability of PRRS virus are perhaps the main reasons that have impaired serious advances in the development of a universal vaccine that can protect swine population against a wide range of field strains. This Special Issue on the genetic variation, evolution, and heterogenicity of PRRSV aims to provide a critical review from authorities in the field on recent advances in PRRSV genetic, evolution, and its application toward the development of new vaccines technologies that help to mitigate and prevent the impact of PRRSV infection.

Guest Editor

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Deadline for manuscript submissions

closed (1 April 2020)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the Genes team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider Genes for your next genetics paper?

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