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

Dr. Pablo Pineyro

Veterinary Diagnostic Laboratory, Department of Veterinary Diagnostic & Production Animal Medicine, College of Veterinary Medicine, Iowa State University, Ames, IA 50011, USA

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

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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Experimental Cancer Therapeutics, The University of Alabama at Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-2182, USA

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