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## Immunogenetics and Functional Genomics of Disease Resistance in Livestock

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Deadline for manuscript  
submissions:

**closed (15 November 2020)**

### Message from the Guest Editors

Dear Colleagues,

Genomics of livestock have improved within the last 20 years such that identifying associations with difficult-to-measure traits, such as infectious diseases, is now possible. Recently, the Functional Annotation of Animal Genomes (FAANG) international network began working to identify all functional elements in livestock genomes. This work will be instrumental in understanding the varying response to infectious pathogens seen in livestock.

Genes is publishing a Special Issue to highlight research that focuses on identifying and characterizing the genetic underpinnings of susceptibility, enhanced resistance, resilience, and tolerance of livestock to disease. This issue aims to provide the latest research identifying or validating loci and pathways associated with disease, the identification of causal mutations, and the function of these mutations in disease susceptibility, and the use of these discoveries to enhance selection for healthier livestock. The investigations may be focused on infectious disease domesticated livestock.



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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