



Genetic and Epigenetic Mechanisms of Animals Retrovirus Diseases

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Message from the Guest Editors

Dear Colleagues,

Retroviruses can cause many animal diseases, including avian leukemia virus (ALV) and avian reticulosis virus (REV). Because retroviruses are easy to mutate, so far, there is no effective vaccine for diseases caused by such kinds of viruses, such as avian leukemia. Therefore, avian leukemia is still prevalent and is one of the main threats to poultry production. Interestingly, recent studies have found that there are many endogenous retrovirus sequences with high homology with exogenous retrovirus in the animal genome, but its functions, especially its antiviral function, need to be identified. In order to effectively control the diseases caused by retroviruses, it is very important to study the genetic and epigenetic mechanisms of pathogenesis and the interaction between retrovirus and the host.

This Special Issue aims to study the genetic and epigenetic mechanisms of animal diseases caused by retroviruses and animal antiviral phenotypes. Original research articles and reviews are welcome.





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Message from the Editor-in-Chief

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