



Genetic and Epigenetic Mechanisms of Animals Retrovirus Diseases

Guest Editors:

Prof. Dr. Hengmi Cui

Institute of Epigenetics and
Epigenomics, College of Animal
Science and Technology,
Yangzhou University, Yangzhou
225009, China

Prof. Dr. Zhihua Jiang

Department of Animal Sciences,
Washington State University,
Pullman, WA, USA

Deadline for manuscript
submissions:

closed (15 December 2022)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick Butaye

1. Department of Pathobiology,
Pharmacology and Zoological
Medicine, Faculty of Veterinary
Medicine, Ghent University,
Salisburylaan 133, B9820
Merelbeke, Belgium
2. Department of Infectious
Diseases and Public Health,
Jockey Club College of Veterinary
Medicine and Life Sciences, City
University of Hong Kong, 31 To
Yuen Street, Kowloon, Hong
Kong SAR 999077, China

Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Veterinary Sciences*) / CiteScore - Q2 (*General Veterinary*)

Contact Us

Veterinary Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/vetsci
vetsci@mdpi.com
[X@Vetsci_MDPI](https://twitter.com/Vetsci_MDPI)