

## Special Issue

# Recent Advancement and Obstacles in Honey Bee Virus and Genetics Research

### Message from the Guest Editors

Honey bees are irreplaceable pollinators in nature, playing a pivotal part in ecological balance and food security. Additionally, honey bees are widely used as a model for investigating host-pathogen interaction. As a eusocial insect, bees are vulnerable to an array of pathogens such as bacteria, fungi, and viruses. With the development of new technologies such as CRISPR-Cas9 and cutting-edge omics (full-length transcriptome, epigenomics, ribosome profiling, etc.), inspiring advancements were obtained in bee pathogens and genetics research region. However, some obstacles are still waiting for addressed, eg. a lack of passage cultured cell line derived from bee tissues or organs. This Special Issue entitled “Recent Advancement and Obstacles in Honey Bee Virus and Genetics Research” will collect high-quality reviews and research articles written by leading experts in this field. The scope includes but not limited to interaction between bee host and pathogens/parasites, state-of-the-art omics of bees and pathogens/parasites, new technologies and methods developed to study on bees and pathogens/parasites, novel strategies for controlling bee diseases.

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### Guest Editors

Dr. Rui Guo

Prof. Dr. Dafu Chen

Dr. Zheguang Lin

Dr. Wenfeng Li

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### Deadline for manuscript submissions

closed (31 August 2023)



## Veterinary Sciences

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*Veterinary Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[vetsci@mdpi.com](mailto:vetsci@mdpi.com)

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### 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).

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### 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
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