

## Special Issue

# The Diversity and Evolution of the Animal Virome

### Message from the Guest Editor

Viruses are obligate intracellular parasites, representing the most diverse and abundant biological entity.

Woolhouse and Gaunt has produced and refined a catalog of the nearly 1400 recognized human pathogen species, over half of which are zoonotic. Viruses occasionally cause serious diseases. In some instances, the original species are shown to be nonhuman primates and can “species jump” to humans, presenting a higher threat to the human population. Our understanding of animal viruses remains strongly skewed toward those infecting a relatively small number of taxa. The aim of this volume of this Special Issue is to provide a complete overview of all aspects relating to the genomes of animal viruses, their molecular evolution, mutations, pathogenesis, diagnosis, cross-species transmission, and natural reservoirs, and the circumstances of viral transmission. Submissions focusing on human cases of animal viruses are encouraged, and research papers, review articles and short communications are welcome.

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### Guest Editor

Dr. Yihong Xiao

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### Deadline for manuscript submissions

closed (25 November 2024)

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## Genes

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*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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