

Special Issue

Zoonotic Pathogen Infection and Host Defenses

Message from the Guest Editor

Zoonotic pathogens live naturally in animals and can infect human cells, perhaps mutating slightly in the course of passage, which enables the pathogen to start a chain of infection through human hosts. Currently, there are many zoonotic pathogens that can infect humans and cause serious effects on human health. Thus, it is important to understand the interactions between zoonotic pathogens and hosts, which will lay a foundation for the prevention and control of zoonotic diseases. In this Special Issue, we welcome reviews and original articles covering many aspects of the interactions between zoonotic pathogens and hosts. These include but are not limited to wild type pathogen isolation and evolutionary analysis, host defense mechanisms following zoonotic pathogen infection, roles of the microbiome during zoonotic pathogen infection, gene therapy for zoonosis, and vaccine development for zoonosis. We look forward to receiving your contributions.

Guest Editor

Dr. Ming Zhou

College of Animal Science and Technology College of Veterinary Medicine, Huazhong Agricultural University, Wuhan, China

Deadline for manuscript submissions

closed (20 June 2023)

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

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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?

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Experimental Cancer Therapeutics, The University of Alabama at
Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-
2182, USA

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