

Special Issue

Genomics: Infectious Disease and Host-Pathogen Interaction

Message from the Guest Editors

Infectious diseases are disorders caused by pathogens, such as bacteria, viruses, fungi or parasites, and pose a serious threat to humans, animals, and plants. Pathogens can interact with the host to suppress or evade the host immune system in order to establish and disseminate infections.

Recent research has shown that host–pathogen interactions can be bi-directionally modulated by small RNAs that come from unique genome loci. Under the current COVID-19 pandemic, there has been a surge in development of SARS-CoV-2 detection methods based on studying the phylogenomics and mutations of viral genomes.

We invite researchers to contribute original research articles and reviews focused on different genomic aspects of i) infectious diseases, and ii) host–pathogen interactions.

Topics of interest include, but are not limited to, the following:

- Genomics and transcriptomics;
- Phylogenetics and evolution;
- Small RNA regulations;
- RNA biology (e.g., dual-RNA-seq);
- Molecular pathogenesis;
- Molecular detection. ***An early-bird discount will be offered for submission before the deadline**

Guest Editors

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Deadline for manuscript submissions

closed (15 August 2022)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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