

Special Issue

Microbe-Host Interaction

Message from the Guest Editor

More than a century ago, Robert Koch illuminated that some infectious diseases are caused by microbes. Since then, a tremendous amount of pathogenic or beneficial microbes have been isolated from their hosts (microbes, plants and animals), and their physiological and molecular genetic functions were well-studied in vitro. However, there is less work on how they interact with their hosts. In the last ten years, high-throughput sequencing results have changed our views of microbe–host interaction. Gut microbes play an important role in human health. Legume plants employ sRNAs that regulate nodule formation; on the contrary, rhizobia use sRNAs that affect the nodulation signal pathway of hosts. The aim of the work on microbe–host interaction is simple: hosts' health or disease.

This Special Issue aims to provide an overview of the current understanding of the molecular biology, genetics, cell biology and genomics of “Microbe–Host interaction”. To progress in the knowledge of such intricate issues, contributions by experts in the field in the form of research papers and critical reviews are called for.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2022)

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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

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