

Special Issue

Molecular Bacteria-Invertebrate Interactions

Message from the Guest Editor

In recent years, due to many research projects, it has become increasingly clear that bacteria form associations with many invertebrates. Bacteria may be facultative or obligate symbionts and perform an important role in maintaining invertebrate health. These associations have been largely overlooked because of difficulties in their detection and problems in bacteria cultivation. However, the widespread application of genetic and genomic approaches has revealed a spectacular bacterial world with high ubiquity and diversity. A growing area of research in bacterium–invertebrate interactions is to elucidate the role of bacteria in facilitation of invertebrate evolution, speciation, mechanisms of manipulation of host physiology and development, regulation of inter-domain metabolism, and genome formation and also influence on pathogenicity, parasitism, and transmission in parasitic invertebrates. This Special Issue will focus on recent advances in all aspects of molecular biological studies of bacterium–invertebrate interactions, covering genomics, proteomics, coevolution, biodiversity, and other research directions.

Guest Editor

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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.

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