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Parasite Omics: Applications, Tools and Databases

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Message from the Guest Editors

Dear Colleagues,

Recent advances in a series of high-throughput “-omics” technologies allow the simultaneous examination of thousands of genes, transcripts, proteins, and metabolites with high-throughput techniques and analytical tools to extract information. These technological breakthroughs and data-driven research models have improved our knowledge and understanding of parasitic diseases at the molecular level. One of the bottlenecks is integrating multi-omics data from different sources to explore important research areas such as drug resistance, unique/unknown genes, host–parasite interactions, parasitism, and disease pathogenesis at a systemic level.

The goal of this Special Issue, dedicated to "Parasite Omics: Applications, Tools, and Databases," is to publish high-quality manuscripts with special emphasis on using omics approaches to study parasitic diseases. We welcome reviews, new methods, bioinformatics tools, databases, short communications, and original articles discussing recent advances and developments in the field of parasite omics.

We look forward to your contributions.



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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