

Special Issue

Development, Application, and Analysis of Bioinformatics Tools

Message from the Guest Editors

Propelled by microarrays, high-throughput sequencing, and other ever-advancing technologies, biology and translational medicine have become data-rich sciences, which therefore hinge on powerful big data analysis tools tailored to specific biomedical domain problems.

To date, many ingenious software tools, such as Samtools, edgeR, and PLINK, have contributed massively to recent biomedical research progress.

Herein, we call for all kinds of bioinformatics works that combine computer programming, information engineering, mathematics, and statistics to handle biomedical problems and/or pursue biomedical insights. We encourage the submission of original research and reviews that focus on the full spectrum of bioinformatics to the analysis of biological and biomedical data such as, but not limited to, the following:

- Novel methods and tools to interpret biological data;
- The use of suitable approaches to unveil new biological insights;
- Databases curating and visualizing biomedical data;
- Novel applications for multi-omics integration.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2024)

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About the Journal

Message from the Editor-in-Chief

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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