Bioinformatics Study in Human Diseases: Integration of Omics Data for Personalized Medicine

Guest Editors:

Dr. Hung-Yu Lin
Department of Post-Baccalaureate Medicine, College of Medicine, National Chung Hsing University, Taichung 402, Taiwan

Dr. Pei-Yi Chu
Department of Post-Baccalaureate Medicine, College of Medicine, National Chung Hsing University, Taichung 402, Taiwan

Deadline for manuscript submissions:
closed (31 January 2024)

Message from the Guest Editors

Dear Colleagues,

An unprecedented breakthrough has been made in the wake of the application of next-generation sequencing technologies and advanced artificial intelligence methods. The advances accordingly bring a remarkable opportunity for the determination of key companion biomarkers and biosignatures, efficient diagnosis, prognostic predictions, potent drug identification, and possible mechanisms in a comprehensive way based on multi-omics data.

Bioinformatics is widely employed to cope with the above challenges. A variety of bioinformatics tools and open-access datasets have been developed to promote the integration of omics data, such as epigenomics, metabolomics, transcriptomics, and genomics, in a comprehensive way. In contrast to the traditional approach, bioinformatics has considerably boosted the accuracy of diagnosis and prognosis, expedited the discovery of novel drug targets, and deepened the functional understanding of disease mechanisms, paving a path to advance precision medicine.

We are pleased to invite you to contribute original research articles. Critical review manuscripts with a perspective vision setting the stage for future research are also welcome.

mdpi.com/si/161004

Special Issue

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology "Jose Mataix", Biomedical Research Center, University of Granada, Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences* (*IJMS*) 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, and molecular biophysics. *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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us