Special Issue

Bioinformatics in Genetic Diseases and Cancer

Message from the Guest Editors

Applications of artifical intelligence (AI) and integrative data analytic techniques in biological complex and big data has emerged as an important field which shown its huge impact in biomedical research domains. This special issue will focus on the application of AI and data analytci techniques in particular for understanding and identyfing novel biomedical markers, in particular genetic biomarkers in genetics diseases and cancers, this include but not limited to the topics shown below: ● Machine learning or integrative data analytics in computational biomarker discovery in genetic diseases and disorders
● Clinical machine learning and translational medicine in genetic diseases and disorders
● Deep learning and data analytic techniques to uncover novel patterns and biomarkers in genetic diseases and disorders
● Supercomputing to identify genetic biomarkers
● Mathematical methods for diagnostic classifiers
● Biological networks to analyse genetic variants
Please kindly note: New methods must be compared to existing state-of-the-art methods, using real biological data. The inclusion of experimental data is very much encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (20 April 2023)

About the Journal

Message from the Editor-in-Chief

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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