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Recent Advances in Computational Biology and Bioinformatics

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Message from the Guest Editors

Computational biology and bioinformatics are *rapidly evolving* interdisciplinary field that develops and applied numerous new algorithms to analyze large multi-omics data. In the era of big data, the transformation of biomedical big data into valuable knowledge has been one of the most important challenges in bioinformatics. With the advancement of this field, researchers were able to develop numerous methods for analytical methods, mathematical modeling and simulation.

Bioinformatics and computational biology have many applications, and one of the most common is the identification of protein 3D structure, molecular modeling, and folding to predict the possible function or model the behavior of molecules, and other molecular structures. It would help in the development of biomedical drugs for various complicated human diseases.

To analyze any large volumes of biological data the primary force behind the current and future advancement is the development of new computational biology technologies, including networking, visualization, graphics, and molecular modeling.

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Message from the Editor-in-Chief

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