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Computational Methods in Biology Research

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Message from the Guest Editors

With the increasing use of computation in biology, the field of computational biology has grown rapidly in the past decade. There are a variety of computational methods that can be used to analyze data. The three most common methods of analyzing data are statistical methods, machine learning methods, and mathematical modeling. Data generated by these methods can be analyzed to draw conclusions about a biological system. Statistical methods are used to analyze data that is relatively easy to interpret and are often used to analyze data that is produced by measurements. Machine learning methods are used to analyze data that is produced by simulations. Mathematical modeling is used to analyze data that is produced by mathematical descriptions of the system being studied. We will examine the latest developments in computational methods that are being used to investigate biological systems.

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Message from the Editorial Board

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