Special Issue

Networks and Systems in Bioinformatics

Message from the Guest Editor

The systematic study of complex biological networks is a new paradigm for characterizing molecular functions at a large scale. Modeling and analysis of the inherent, dynamic, and structural behaviors of biological networks from a topological perspective is a primary issue in current research on bioinformatics and biomedical informatics.

A wide-range of graph-theoretic computational techniques and integrative approaches with other big datahave been applied to the effective analysis of large-scale, complex biological networks. These studies will have great potential for various biomedical applications such as precision medicine and drug repositioning.

This Special Issue aims to provide a forum to discuss state-of-the-art approaches for biological or biomedical network analysis. Special attention will be placed on information-entropic approaches to complex systems and emphasize a comparison of the performance of alternative approaches. This Special Issue will also include extended versions of high-quality papers on BIBM 2020 (IEEE International Conferences on Bioinformatics and Biomedicine).

Guest Editor

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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