Machine Learning in Bioinformatics, Computational Biology and Biomedical Text Classification

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2022)

Message from the Guest Editor

Dear Colleagues,

In this Special Issue, we envision providing a primer for the application of machine learning to a wide variety of different data sets to demonstrate its utility in addressing these growing computational challenges. We invite your contributions (original research articles, reviews, or shorter perspective articles) on all aspects related to the theme of "Machine Learning in Bioinformatics, Computational Biology and Biomedical Text Classification". Articles with sound methodology and scientific practice are particularly welcome. Relevant topics include, but are not limited to, the following:

Computational biology;
Biomedical text classification;
Integrative analysis of biomedical data;
Machine learning in bioinformatics integrated with biological domain knowledge;
Integrative analysis of multi-omics;
Systems biology;
Machine learning for biomedical data analysis;
Biomedical text mining and ontologies;
Next-generation sequencing data analysis;
Single-cell sequencing data analysis;
Microbiome and metagenomics;
Machine learning and deep learning in image analysis.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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