Deep Learning in Bioinformatics and Biomedicine

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

DL is a subfield of machine learning, concerned with algorithms that are neural implementations with multiple processing layers, inspired by the structure and function of the human brain to learn and make intelligent decisions. DL approaches are designed for supervised classification, requiring input–output mapping that has to be learned from large amounts of labeled training data and requires the power of parallel and distributed computing.

The Special Issue on The Deep Learning in Bioinformatics and Biomedicine is dedicated to discussing recent developments in the field of deep learning (DL) and its applications in bioinformatics and biomedicine ranging from the analyses of biomedical images to omics (genome, transcriptome, proteome, metabolome, and microbiome) and healthcare data.

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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