Special Issue

Computational Approaches for Cancer Research

Message from the Guest Editors

The aim of this Special Issue is to present novel ideas and new computational approaches for cancer research. Areas relevant to computational cancer research include but are not limited to, bioinformatics analyses of molecular genomics/transcriptomics/epigenomics data, analyses of clinical data, applications of machine learning, artificial intelligence and deep learning, statistical algorithms, imaging techniques, data visualization, and methods for “big data” integration.

- Cancer genomics and genetics for a better understanding of biological mechanisms underlying somatic evolution and drug resistance.
- Precision oncology and translational bioinformatics.
- Next-generation sequencing data analysis, applications, and software tools.
- Single-cell data analysis and applications.
- Proteomics and protein-based analyses of cancers.
- Image processing and analyses with applications in digital pathology, mass cytometry imaging, and spatial transcriptomics.
- Artificial intelligence, machine learning, deep learning, data mining, and knowledge discovery techniques.
- Multi-omics data integration...

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)

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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.

Editor-in-Chief

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