Biological-World AI

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Message from the Guest Editors

This Special Issue welcomes papers on approaches to these biological AI problems that can rapidly detect, characterize, predict and accommodate novelty in life science, biology and biomedicine, focusing on large data acquisition, analysis and curation. There are countless opportunities for computing and artificial intelligence to augment human capabilities and knowledge in fields such as scientific discovery, healthcare, medical diagnostics and agriculture.

TOPICS

1. Computational biology of molecular structure, function and evolution;
2. Computational systems biology;
3. Next generation sequencing and high-throughput methods;
4. Cheminformatics and pharmacogenomics;
5. Computational methods and bioinformatics of disease;
6. Biomedical and health informatics;
7. Deep learning modeling in plant sciences.

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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