Special Issue

Artificial Intelligence Applied to Medical Imaging and Computational Biology

Message from the Guest Editors

Medical imaging and computational biology continuously pose new fundamental medical and biological questions that often give rise to novel challenges in Artificial Intelligence (AI). Thus, in these research fields, there is an increasing need for the application of cutting-edge computational approaches that generally involve Machine Learning (ML) or Computational Intelligence (CI) techniques. This Special Issue will provide a forum to publish original research papers covering state-of-the-art and novel algorithms, methodologies, and applications of AI methods for biomedical data analysis, ranging from classic ML to DL. Topics of interest include but are not limited to: Machine learning; Deep learning; Computational intelligence; Biomedical image analysis; Radiomics; Radiogenomics; Bioinformatics; Computational biology; Multiomics data; Single-cell data analysis;

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About the Journal

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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