Bioinformatics and Machine Learning Applications in Precision Medicine: Exploring the Landscape

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Message from the Guest Editor

The integration of bioinformatics and machine learning holds the potential to revolutionize precision medicine. By analyzing data from previous patients, machine learning models can identify future patients who may benefit from specific treatments. Furthermore, machine learning algorithms can scrutinize electronic health records to pinpoint risk factors for diseases, enabling personalized treatment plans tailored to an individual's genetic makeup, lifestyle, and environment. Bioinformatics applications extend to drug discovery, personalized medicine, preventative medicine, and gene therapy, guiding the exploration of the precision medicine landscape. This proposal aims to create a Special Issue that delves deeper into this vital and transformative intersection of bioinformatics and machine learning in precision medicine. We therefore invite authors to collaborate and contribute their expertise in bioinformatics and ML for precision medicine research. We anticipate that this initiative will lead to significant advancements in healthcare outcomes, offering a tailored approach to medical care and improving patient well-being.

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Special Issue

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Message from the Editor-in-Chief

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