

## Special Issue

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

### 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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### Guest Editor

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### Deadline for manuscript submissions

closed (25 November 2024)



## Journal of Personalized Medicine

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## About the Journal

### Message from the Editor-in-Chief

*Journal of Personalized Medicine* is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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### Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

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