Special Issue

Application of Deep and Machine Learning in Personalized Medicine and Individualized Bioinstruments

Message from the Guest Editor

In recent years, the field of healthcare has witnessed remarkable advancements through the convergence of deep learning and machine learning techniques with personalized medicine and the development of individualized bioinstruments. This exciting intersection has paved the way for transformative approaches in diagnostics, treatment selection, monitoring, and patient care. This Special Issue aims to explore the latest research and innovations in the application of deep and machine learning in personalized medicine, while also highlighting the development of individualized bioinstruments for precision healthcare.We welcome contributions that highlight the seamless integration of computational approaches and bioinstrumentation, offering promising solutions to the challenges of personalized healthcare. Researchers from diverse disciplines are invited to submit their original research, review papers, and short communications, exploring a wide range of topics within this domain.

Guest Editor

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Deadline for manuscript submissions

closed (25 April 2025)

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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 25 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the second half of 2025).