

Special Issue

Application of Bioinformatics in Precision Medicine

Message from the Guest Editor

In recent years, we have observed an explosion in the volume and complexity of biomedical and clinical data through significant advances in high-throughput omics measurement methods and medical imaging technologies. New methods should simplify the process of dealing with the technical artifacts and biological complexity that underlie human diseases. However, the ultimate goal is to develop bioinformatic solutions that are able to translate biological knowledge into clinical practice.

This Special Issue of the Journal of Personalized Medicine aims to highlight the current state of the bioinformatic approaches that were successfully applied in precision medicine and introduce some of the latest findings in the area. All studies are welcome that describe bioinformatic methods to integrate, analyze, and interpret omics, clinical or medical imaging data for a better understanding of biological mechanisms of disease and translation of the findings into personalized therapies.

Guest Editor

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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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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).