

Special Issue

Genomic Screening and Management of Cancer in the Context of Precision Medicine

Message from the Guest Editors

The *Journal of Personalized Medicine's* Special Issue "Genomic Screening and Management of Cancer in the Context of Precision Medicine" explores the transformative impact of genomics on oncology. The aim and scope of this Special Issue are to elucidate how genomic technologies can enhance cancer diagnosis, treatment, and management. It covers cutting-edge research on predictive biomarkers, which guide personalized treatment plans by forecasting therapeutic responses and disease progression. Additionally, it emphasizes the integration of multi-omics data (genomics, proteomics, and metabolomics) to provide a comprehensive understanding of tumor biology and heterogeneity. This Special Issue seeks articles that present novel insights into the tumor microenvironment and its role in therapy resistance and cancer progression. It invites research articles, reviews, and short communications that focus on innovative therapeutic strategies targeting the tumor microenvironment, advancements in computational models for patient outcome prediction, and the ethical and technical challenges of genomic screening in clinical practice.

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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).