

Special Issue

Advanced Imaging and Artificial Intelligence in Personalized Medicine: Innovations and Future Directions

Message from the Guest Editor

As healthcare shifts toward personalization, precision imaging emerges not as an option, but as an imperative. Confronted with the rising complexity of diseases like cancer, cardiovascular, and neurodegenerative disorders, medicine demands tools capable of capturing disease heterogeneity in vivo and in real time. Precision imaging—powered by breakthroughs in radiomics, molecular probes, AI-driven analytics, and multi-omics integration—is redefining diagnosis, prognosis, and therapy selection. It transforms static snapshots into dynamic, predictive models tailored to each patient. This Special Issue brings together the latest advances driving this transformation. We welcome pioneering contributions on novel biomarkers, imaging–genomic correlations, AI-based predictive imaging, and theranostic innovations that are closing the gap between bench and bedside. Particular focus will be given to works addressing urgent challenges: standardization across platforms, clinical validation, big data sharing, and navigating regulatory frameworks.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (JPM), ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the first half of 2025).