Special Issue

Advancing Anesthesia and Pain Control Through Precision Medicine

Message from the Guest Editors

Precision medicine is transforming healthcare by enabling personalized treatments. In anesthesia and pain management, tailoring interventions to individual characteristics improves outcomes and reduces risks. Recent innovations-from advanced anesthetic techniques to new pain control approaches—are reshaping practice for acute and chronic pain. As the field evolves, it brings challenges and opportunities to further enhance care. This Special Issue explores advances in anesthetic techniques and pain strategies across clinical settings, with a focus on integrating personalized approaches to optimize outcomes. We encourage contributions spanning innovative therapies, evidence-based practices, and multidisciplinary models that improve safety and patient-centered care. We welcome original research, reviews, guidelines, tutorials, best practices, case series, perspectives, and clinical insights from anesthesiologists, pain specialists, palliative care providers, and allied professionals. Our goal is to provide a platform for the latest research, innovations, and emerging trends in anesthesia and pain control.

Guest Editors

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Deadline for manuscript submissions

20 July 2026



Journal of Personalized Medicine

an Open Access Journal by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/si/251489

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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).

