Special Issue

Recent Innovations and Artificial Intelligence in Interventional Radiology: A Step Towards Personalized Medicine

Message from the Guest Editors

This Special Issue aims to explore the latest technological developments in this rapidly evolving field, with a particular focus on, but not limited to, artificial intelligence, both in the core aspects of IR and in bridging challenges between diagnostic and interventional radiology. Topics of interest include the following:

- Innovative techniques to address procedural challenges in IR.
- The automation of image segmentation and analysis for procedural planning.
- Real-time decision support systems during procedures.
- Augmented and mixed reality for procedural navigation and planning.
- Predictive models for treatment outcomes and clinical decision making.
- Strategies to reduce complication rates and improve procedural success.
- The integration of emerging technologies into clinical practice, with a focus on early-stage diagnostics and personalized treatment planning.
- Regulatory and ethical considerations surrounding the adoption of technological innovations in IR.

We are particularly interested in papers that explore the use of artificial intelligence, as well as other emerging technologies and methodologies.
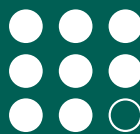
Guest Editors

Dr. Maurizio Cè

Dr. Giuseppe Pellegrino

Dr. Salvatore Alessio Angileri

Deadline for manuscript submissions

15 August 2026

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

Prof. Dr. Kenneth P.H. Pritzker
Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W.F, Toronto, ON M5S 3H2, Canada

Author Benefits

High Visibility:
indexed within Scopus, PubMed, PMC, Embase, and other databases.

Journal Rank:
CiteScore - Q1 (Medicine (miscellaneous))

Rapid Publication:
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).