

Special Issue

Interventional Radiology: Towards Personalized Medicine

Message from the Guest Editor

The precision medicine initiative is having a far-reaching impact on prevention and treatment strategies that take individual patient variability into account. Interventional radiology (IR), in which imaging guidance is employed as a tool for both diagnosis and therapy, is tailored to specific cases. IR assumes a leading role in the transition toward precision medicine, particularly in image-guided biopsy techniques that enable the identification of the genomics and proteomics that drive tumor hyperproliferation, metastatic capabilities, and tumor angiogenesis mechanisms. This will help interventionalists to play a greater role in therapy selection; alter the need to use a specific drug and/or embolic material or device in the embolization procedure; and promote the use of novel image-guided techniques that can increase the technical and clinical success of procedures, reducing complications risk. This Special Issue aims to describe current advances in IR that do not merely improve the diagnosis and treatment of patients but promote IR as a specialty fully integrated with other disciplines, both clinical and surgical, and its role as a key tool in the decision-making process.

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).