Special Issue

Radiation Oncology and Precision Medicine

Message from the Guest Editors

Radiation therapy (RT) has made remarkable progress through multidisciplinary research and cutting-edge technological innovations in science, yielding improved outcomes and enhanced patient experiences. Various powerful imaging techniques that enable adaptive radiation therapy (ART) are being leveraged to meet each patient's unique needs. This leads to timely and accurate detection of anatomical changes and real-time assessment of tumor responses. Furthermore, advanced treatment planning strategies have been developed to optimize the robustness of RT, taking into account each patient's treatment history, variations in alignment, anatomical changes, and organ motion. This Special Issue will showcase clinical findings, it covers the latest technological advancements in imaging and the clinical implementation of effective ART strategies to enhance patient alignment accuracy, optimize target localization, and facilitate online or offline assessment of anatomical changes. We welcome scholars to submit reviews and original research articles related to radiological interventional oncology (RIO) and precision medicine.

Guest Editors

Dr. Justin Chunjoo Park
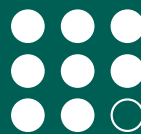Department of Radiation Oncology, Mayo Clinic, Jacksonville, FL 32224, USA

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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).