

Special Issue

Personalized Radiotherapy

Message from the Guest Editors

Radiotherapy is one of the main methods of cancer treatment. Since the introduction of radiotherapy treatment, radiation oncologists and medical physicists have adapted radiation beam parameters to tumour size, shape, and localization in the body willing to eliminate cancer and keep healthy organs intact. Biologists have contributed significantly, providing knowledge on tumour and normal tissue sensitivity and factors influencing their response to radiation. The advancement in science, developments in technology, and increasing clinical evidence today allow to tailor treatment to each patient. Today, we adapt therapy to tumour properties, its morphology (dominant lesions) and metabolic properties, with emphasis on genetic factors and the underlying immunological status. We also try to reduce low doses, which occur in peripheral organs. We welcome papers dealing with all aspects aimed to widen the knowledge on the tumour and healthy organ response to radiation in concomitance to other anticancer treatments or pre-existing factors. In particular, we invite papers focusing on radiotherapy individualization, leading to better results and improved patient comfort and safety.

Guest Editors

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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).