

Special Issue

The Role of Radiation in Cancer Treatment: New Insights towards Personalized Therapies

Message from the Guest Editors

At present, radiation therapy (RT) remains an essential component of multimodality approaches for the treatment of many types of cancer, and one of the most effective cancer therapies. Currently, clinical practice still offers standard RT protocols for patients with cancer affecting the same organ, without considering the molecular profile and the tumoral histotype, which may affect the RT outcome. Unfortunately, RT does not always lead to therapeutic benefits, due to distant metastatic spread and local recurrence, which induce radioresistance. Indeed, tumor radiosensitivity depends on many factors, some of which are linked to the clinical state and genetic background of the patient. This Special Issue aims to provide new insights into the role of RT in different types of cancer in order to develop personalized therapies, and it will also highlight the use of combined approaches with new targeted agents. Other topics of interest to this Special Issue will be the discovery and analysis of radioresponse biomarkers reported by different in vitro, in vivo, or clinical studies.

Guest Editors

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Deadline for manuscript submissions

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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).