Special Issue

Radiation Response Biomarkers for Individualised Cancer Treatments

Message from the Guest Editors

It is an important and effective tool in the arsenal to treat numerous solid tumours. Improving the precision of radiotherapy has long been the guest of cancer scientists and clinicians. Biomarkers are essential for predicting and/or monitoring radiation exposureassociated effects. Ever-evolving technologies allow the detection and validation of new and emerging radiation biomarkers, whether genetic, epigenetic, cell-based, cell-free, or present in extracellular vesicles. The aim of this Special Issue is to present an insight into the ongoing state-of-the-art research in the oncology radiation response biomarker field and its applications in the ever-evolving field of personalised medicine. We welcome original scientific manuscripts (both clinical and research-based), reviews reporting novel findings in the field of radiation response, and biomarkers indicative of patient-tailored treatment and monitoring in both in vitro and in vivo systems, with a focus on research in human systems, as well as technical papers on new developments in protocols to study and validate these biomarkers.

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Deadline for manuscript submissions

closed (10 December 2020)



Journal of Personalized Medicine

an Open Access Journal by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/si/46205

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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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