

Special Issue

Radiation as a Double-Edged Sword: Cancer Therapy and Potential Harm

Message from the Guest Editor

Dear colleagues,

Radiation continues to be viewed as a double-edged sword with respect to its benefits in cancer treatment and potential harm in normal tissue effects, in addition to the risks of late effects such as cancer and circulatory as well as neurological diseases. Of note is the significant overlap in approaches to elucidate radiobiological mechanisms in the areas of radiation cancer treatment as well as the risks in the diagnostic use of radiation and to radiation workers on Earth and in space. This Special Issue aims to provide a comprehensive overview of the latest advances in the use of radiation in cancer treatment and risk assessments.

We encourage the submission of original full research papers as well as review articles dealing with novel mechanistic insights, new techniques, experimental models, predictive theoretical models, and datasets. Topics include, but are not limited to, the following:

- DNA damage responses;
- Tissue-specific immune responses following radiation exposure;
- Combined treatments, including immunoradiation therapy;
- Cognitive impairments following radiation exposure;

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2024)



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