

## Special Issue

# Recent Advances in Radiotherapy

### Message from the Guest Editors

Radiotherapy is an indispensable approach for cancer treatment. The pitfalls and complications of radiotherapy are conspicuous, the basic molecular biological issues leading to unwanted effects after radiotherapy remain complex and need to be solved. Even when radiation induces apoptosis, necrosis, autophagy, and senescence in cancer cells, these events may promote regrowth or the distant migration of unirradiated malignancy. These may explain the recurrence and radioresistance of cancers after radiotherapy, but the underlying mechanisms still need to be clarified. In this Special Issue, we encourage the submission of studies involving photon therapy, particulate therapy, and FLASH radiotherapy and the molecular mechanisms induced that may be able to account for cancer relapse after treatment at the bench side and/or bedside. We also aim to provide information on the specific compounds or inhibitors that could target these molecular events to reduce radiation-induced complications and bystander effects and elevate the efficacy of radiotherapy.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 January 2023)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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