

## 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

Prof. Dr. Francis Cucinotta

Department of Health Physics and Diagnostic Sciences, University of Nevada Las Vegas, Las Vegas, NV 89154, USA

### Deadline for manuscript submissions

closed (15 April 2024)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

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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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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