

## Special Issue

# Mechanism and Modulation in Radiotoxicity

### Message from the Guest Editors

The Special Issue aims to provide insights that can inform both the development of radioprotective strategies and the improvement of therapeutic interventions. Topics include but are not limited to the following:

- Radiation exposure effects on tissue, cells, molecules as well as functional effects (behavioral) from natural/background or man-made/medical sources of radiation as well as spaceflight.
- Acute and long-term health effects.
- In vivo or in vitro models.
- The role(s) of biological factors including age, health status, and genetic predisposition/individual sensitivity.
- The role of dose, LET, and radiation type in the radiotoxic response.
- Methods of modulation including radioprotectors or countermeasures.

We welcome original research articles, review papers, and papers on theoretical and modeling approaches needed to advance the field. Technical papers on approaches needed to understand and/or facilitate mechanisms of radiotoxicity and modulations/countermeasures are also welcome. Through this Special Issue, we aim to foster a multidisciplinary dialogue that advances the field of radiotoxicity and informs future research and clinical practices.

### Guest Editors

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### Deadline for manuscript submissions

31 October 2025



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## About the Journal

### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

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