## **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**

Dr. Stephanie Puukila

Blue Marble Space Institute of Science, Seattle, WA 98104, USA

Dr. Siddhita Mhatre

NASA Ames Research Center, Moffett Field, CA 94035-1000, USA

Dr. Janani Iyer

Universities Space Research Association, Mountain View, CA 94043, USA

#### Deadline for manuscript submissions

31 May 2026



an Open Access Journal by MDPI

Impact Factor 3.9 CiteScore 6.8 Indexed in PubMed



mdpi.com/si/217644

Biomedicines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomedicines@mdpi.com

mdpi.com/journal/biomedicines





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#### Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access iournal 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.

#### Editor-in-Chief

#### Prof. Dr. Felipe Fregni

- Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
- 2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

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