



cells



an Open Access Journal by MDPI

Radiation-Induced Brain Injury: Molecular Mechanisms and Therapeutic Strategies

Guest Editor:

Dr. Feng Ru Tang

Radiobiology Research
Laboratory, Singapore Nuclear
Research and Safety Initiative,
National University of Singapore,
Singapore 138602, Singapore

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editor

Dear Colleagues,

Radiation exposure may induce abnormal brain development and subsequent neurological and neuropsychological disorders, with the potential to severely affect the patient's quality of life. Therefore, further research into high- or low-dose/dose-rate radiation-induced brain injury, pathophysiological changes, neurological and neuropsychiatric disorders and relevant molecular mechanisms is needed urgently. This may facilitate the development of novel therapeutic approaches to prevent acute or chronic radiation-induced neurological and neuropsychiatric disorders.

In this Special Issue of *Cells*, entitled "**Radiation-Induced Brain Injury: Molecular Mechanisms and Therapeutic Strategies**", we are inviting authors to submit human, animal or cell experimental research work and review papers. Potential discussions may include high- or low-dose/dose-rate irradiation-induced brain injury, disorders, relevant molecular mechanisms, and recent advances in the development of therapeutic strategies.

Dr. Feng Ru Tang
Guest Editor



mdpi.com/si/188498

Special Issue



cells



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](#)