

Special Issue

Ionizing Radiation of High LET and DNA Damage Responses

Message from the Guest Editors

Nuclear DNA is the main target of ionizing radiation (IR) exposure, followed by many types of DNA damages. DNA double-strand breaks (DSBs) induced by IR are considered the most relevant lesion for mutations and carcinogenesis, and unrepaired or misrepaired DSBs are a serious threat to genomic integrity. The cellular responses to high-LET radiation are still not fully understood. High-LET radiation is a useful tool in cancer therapy, but there are health risks to space radiation in future space travel. This Special Issue aims to highlight recent advances in all aspects of DNA damage induced by high-LET ionizing radiations and cellular responses to these damages, including analytical methods, chemical biology, computational modelling, as well as proteomics. Submissions of original research articles, short communications, perspectives, and comprehensive review articles are all welcome. In order to plan this Special Issue, I would appreciate hearing from you if you are willing to contribute to this project. I hope this invitation will receive your favourable consideration.

Guest Editors

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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