



DNA Damage, Repair, and Cancer Metabolism

Guest Editor:

Prof. Dr. Tae-Hong Kang

Department of Biomedical
Sciences, College of Natural
Science, Dong-A University,
Busan 49315, Republic of Korea

Deadline for manuscript
submissions:

closed (20 June 2023)

Message from the Guest Editor

Dear Colleagues,

Genomic integrity is continuously being threatened by a plethora of DNA-damaging agents both from inside and outside of the cell. To counteract these harmful threats, cells have evolved a defense mechanism called the DNA damage response, which involves DNA repair, cell cycle checkpoints, replication stress, and programmed cell death. It is certain that a better understanding of the DNA damage response will provide new avenues for us to prevent and treat conditions posed by DNA damage, such as cancer and aging. This Special Issue aims to highlight the latest advances in the pharmacokinetic and pharmacodynamic analyses of a certain DNA-damaging agent; the discovery of novel factors and regulatory mechanisms of the DNA damage response, including DNA repair, checkpoint, replication stress, and cell death; as well as crosstalk between the systems. Reviews or articles on the molecular targets of synthetic lethality, strategies for personalized precision cancer therapy, and molecular mechanisms of cellular senescence modulated by the DNA damage response will also be considered for publication.





an Open Access Journal by MDPI

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

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.

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI