

Special Issue

DNA Damage, DNA Repair, and Cancer 2.0

Message from the Guest Editor

DNA lesions produced by a variety of genotoxic stresses are precisely repaired to avoid the genomic instability which is associated with a high predisposition to cancer development. The occurrence of unrepaired DNA lesions is censored by DNA-damage response (DDR) composed of complex cascades followed by the induction of cell-cycle arrest or apoptosis. As most tumors show impaired DDR, many studies have focused on the understanding of detailed molecular mechanisms in DDR-pathways and/or cancer-related DNA repair defects to reveal the cause of cancers. Comprehensive analyses of canonical and non-canonical DNA repair pathways and the interactions of each molecule defective in various cancers are promising to search for potential therapeutic targets. Therefore, authors are invited to submit original research and review articles that address the physiological, pathophysiological, pharmacological, and epidemiological importance of DDR and/or DNA repair pathways in cancer development.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2023)



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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.

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