

Special Issue

DNA Damage, Oxidative Stress and Human Disease

Message from the Guest Editors

DNA damage and oxidative stress responses are mechanisms to cope with a variety of exogenous and endogenous challenges in order to maintain homeostasis. Several human diseases have been associated with excessive DNA damage and/or oxidative stress, or failure in the respective response mechanisms. These diseases include cancer, metabolic syndrome, neurodegenerative diseases, myopathies and several other pathologies including diseases characterized by genetic defects of DNA repair mechanisms. For this Special Issue, we invite authors as well as the participants of The COST Action CA20121 to submit novel work or reviews establishing the importance of DNA damage and/or oxidative stress in the pathology of human diseases. This Special Issue aims at shedding new light onto the disease mechanisms that lead to increased DNA damage and oxidative stress, and conversely onto how DNA damage and oxidative stress lead to an increase in disease pathology. Moreover, it aims at highlighting the cross-talk between DNA damage and oxidative stress responses in the context of human diseases.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)



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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.

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