

Special Issue

DNA Damage Response from Molecular Mechanisms to Cancer Therapy

Message from the Guest Editors

The DNA damage response (DDR) could be defined as a double face of tumour: both the cause and treatment. Some DDR proteins are involved in the cancer-prone syndrome. Conversely, the DNA repair defects are used as the “Achille’s heel” of cancer, favouring treatment with DNA damage agents through radiation therapy or cisplatin generating various kinds of DNA lesions (single or double strand breaks). In this scenario, the identification of novel therapeutic strategies based on the personal genetic makeup could be essential for improving the cancer treatments. To this aim, the dissection of novel proteins involved in the DDR plays an important role in cancer therapy. This Special Issue will highlight novel discoveries in the context of the DNA damage response, from molecular mechanisms to clinical aspects, as potential novel strategies for cancer therapy. Please note that the special issue is focused on molecular research, so the pure clinical research will not be accepted. But clinical submissions with biomolecular experiments are welcomed.

Guest Editors

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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.

Editor-in-Chief

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