

Special Issue

Recognition of DNA Lesions

Message from the Guest Editors

DNA damage recognition, is a very challenging cellular process involving the detection of rare modifications to the DNA within a large pool of intact genomic material. The specificity and efficiency of molecular recognition is achieved by the formation of dynamic macromolecular complexes at sites of DNA damage and the regulated handoff of DNA repair intermediates to the subsequent repair enzyme. In this Special Issue, the focus will be on the molecular mechanisms devised by prokaryotic and eukaryotic cells to efficiently recognize and remove a wide range of chemically and structurally diverse DNA lesions from genomic DNA during the early steps of DNA damage response.

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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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