



DNA Damage Response, an Update

Guest Editor:

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Message from the Guest Editor

DNA damage response (DDR) represents the way cells react to preserve genome integrity. DNA breaks can arise either spontaneously, during replication, or in response to exogenous compounds. Biochemical characterization of signaling events underlying the DDR has allowed the design and the development of specific inhibitors. Nonetheless, their potential use in monotherapy strategies or in combination with radiotherapy or chemotherapy against cancer cells has not given the expected results. This may be due to the fact that DDR is controlled in a redundant way through intricate and complex mechanisms. These mechanisms involve either post-translational modifications on chromatin, expression of small regulatory RNAs, or changes in chromatin architecture. In this topic, we invite the submission of original research papers and review articles that cover any aspect of DDR. Special emphasis will be given to the emerging crosstalk between DDR and other cellular signaling paths, occurring either in physiological or pathological conditions.





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Message from the Editor-in-Chief

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