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DNA Damage Response Mechanisms in Model Systems

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Message from the Guest Editors

Cells are constantly assaulted by endogenous and exogenous sources of DNA damage that threaten genome integrity. To deal with this, organisms have evolved a myriad of responses, including transcriptional programs, cell cycle regulation, lesion bypass, and direct repair. While much of the research describing these responses has utilized mammalian cell culture systems, studies performed in model organisms have also provided critical insight into the organismal regulation of damage responses. This Special Issue will highlight discoveries made in the areas of DNA repair and damage responses, with an emphasis on findings from model systems. High-quality investigations and reviews that discuss recent advances and future challenges in the fields of DNA repair and damage response systems are welcomed.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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