# Special Issue

# Mechanisms of DNA Damage, Repair and Mutagenesis 2023

### Message from the Guest Editors

It is well known that DNA damage may affect the development and differentiation process in all living organisms leading to death, increased cellular heterogeneity, premature senescence, or uncontrolled, abnormal growth of cells. The stability of the genome is strictly related to the activity of mechanisms able to detect and repair DNA breaks, damaged or incompletely replicated DNA, or DNA sequence mismatches and mutation. In this Special Issue of *Genes*, we welcome reviews, new methods, original research articles, and communications that advance our understanding of all aspects of mechanisms of DNA damage, repair, and mutagenesis from evolutionary aspects to biological, medical, and biotechnological implications. While the mechanisms involved in the maintenance of telomere–rDNA, centromere, and heterochromatin–will be of special interest, we are open to any advancement exploring the genome structural variation and chromosomal aberrations, including aneuploidy as well as molecular epidemiology and mechanisms of genotoxicity.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 October 2023)

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## Message from the Editor-in-Chief

*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

## Editor-in-Chief

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