



genes



an Open Access Journal by MDPI

Mechanisms of DNA Damage, Repair and Mutagenesis 2023

Guest Editors:

Prof. Dr. Martin Kupiec

The Shmunis School of
Biomedicine & Cancer Research,
Tel Aviv University, Ramat Aviv,
Tel Aviv 69978, Israel

Dr. Maciej Wnuk

Department of Biotechnology,
University of Rzeszow, Pigońia 1
A0, 35-310 Rzeszow, Poland

Deadline for manuscript
submissions:

closed (25 October 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.



mdpi.com/si/139700

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

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.

Why not consider *Genes* for your next genetics paper?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (*Genetics & Heredity*) / CiteScore - Q2 (*Genetics*)

Contact Us

Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)