



genes



an Open Access Journal by MDPI

DNA Damage Response Mechanisms in Model Systems

Guest Editors:

Dr. Jan LaRocque

Department of Human Science,
School of Nursing and Health
Studies, Georgetown University,
265 St. Mary's Hall, 3700 Reservoir
Road NW, Washington, DC 20057-
1107, USA

Dr. Mitch McVey

Department of Biology, Tufts
University, 200 Boston Ave., Suite
4741, Medford, MA 02155, USA

Deadline for manuscript
submissions:

closed (20 January 2022)

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.



mdpi.com/si/75573

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 and Heredity*) / CiteScore - Q2 (*Genetics (clinical)*)

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
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)