genes

IMPACT FACTOR 2.8

Indexed in: PubMed

CITESCORE 5.5

an Open Access Journal by MDPI

# Genomic Mosaicism in Human Development and Diseases

Guest Editor:

**Dr. Xiaoxu Yang**
Department of Human Genetics, University of Utah, Salt Lake City, UT, USA

Deadline for manuscript submissions:
**closed (20 November 2024)**

## Message from the Guest Editor

Genomic mosaicism defines the phenomenon that different tissues and organs from the same individual present different genomic sequences. Mosaicism is a result of postzygotic mutations occurring during embryonic development, tissue self-renewal, environmental toxicity, aging, and disease. The failure to repair these mutations will leave them in the genome throughout one's lifespan, and the mutations will be inherited by all the carrier's daughter cells.

On the one hand, neutral or near-neutral genomic mosaic mutations can serve as recorders of human embryonic development.

On the other hand, emerging evidence has demonstrated that mosaic mutations are important genetic origins of disease.

In this Special Issue, submissions on the following, but not limited to, topics are welcome:

- Mosaicism in human development;
- Somatic mosaicism that directly causes human disorders;
- Pre-disease mosaic mutation burdens for different disorders;
- Methodologies for mosaic studies.

GCAT TACG GCAT genes

IMPACT FACTOR 2.8 | Indexed in: PubMed | CITESCORE 5.5

an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Selvarangan Ponnazhagan**
Experimental Cancer Therapeutics, The University of Alabama at Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-2182, USA

## 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?

## 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