



genes



an Open Access Journal by MDPI

DNA and RNA Epigenetics and Transcriptomics Research

Guest Editors:

Prof. Dr. Rujiao Li

National Genomics Data Center,
Beijing Institute of Genomics
(BIG), Chinese Academy of
Science (CAS) & China National
Center for Bioinformation
(CNCB), Beijing 100101, China

Prof. Dr. Yan Zhang

School of Life Science and
Technology, Harbin Institute of
Technology, Harbin 150001,
China

Prof. Dr. Jianzhong Su

School of Ophthalmology and
Optometry, School of Biomedical
Engineering, Wenzhou Medical
University, Wenzhou 325027,
China

Deadline for manuscript
submissions:

closed (20 November 2022)

Message from the Guest Editors

Epigenomic regulation refers to the heritable alterations in gene expression that do not involve changes in the DNA sequences themselves. DNA modifications were proposed as a carrier of epigenetic information early on, with subsequent work revealing that histone modifications, chromatin accessibility, noncoding RNAs, and RNA modifications are also important for this process. The rapidly accelerated epigenomics research, resulting in it becoming a cutting-edge field of research that drives spectacular progresses in our understanding of the related molecular mechanisms, regulatory functions, and interaction with other biological process.

This Special Issue will focus on the interplay between regulatory function and epigenomics, including cellular and reprogramming events, epigenetic inheritance across generations and response to physiological stimuli and in disease. The non-coding RNAs, DNA and RNA modifications, and chromatin accessibility that can regulate both inheritance and gene expression plasticity will all be discussed.



mdpi.com/si/101972

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)