

Special Issue

Advances in Ancient Genomes

Message from the Guest Editors

In recent years, the rapidly increasing advancements of next-generation sequencing (NGS) technologies have revolutionized our approach to ancient DNA research. Much research has contributed to overcoming earlier limitations, including the degradation and preservation of endogenous ancient DNA molecules, as well as the contamination by modern DNA. With the technological improvements regarding the capacity of recovery and the analysis of the ancient molecules, it is now possible to retrieve complete genomes from fossil remains or even sediment. Palaeogenomics offers a high-resolution means to uncover long-standing issues of confusion. Ancient genomes are providing a more comprehensive and a more complete perspective on the evolutionary history of modern and extinct species. This Special Issue will collect reviews and original contributions concerning the study of advances in ancient genomes of different organisms, considering accomplishments and challenges, methodological approaches, bioinformatics and analytical tools, and the current status and future prospects of paleogenomic research.

Guest Editors

Prof. Dr. Xulong Lai
Dr. Junxia Yuan
Prof. Dr. Guilian Sheng

Deadline for manuscript submissions

closed (15 January 2024)

G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/138138

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



About the Journal

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

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

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))