

Special Issue

Multi-level Approaches in Omics Sciences

Message from the Guest Editors

High-throughput technologies have changed perspectives in biomedical research by enabling a shift in focus from a single gene or pathway to cellular landscapes as a whole—it has become possible to explore the same biological phenomena from different perspectives by combining them. The increasing growth of the amount and diversity of omics data raises new challenges and opportunities in multi-level data analysis, integration, visualization, interpretation, and sharing. Network sciences have been established among the most successful frameworks for representing and analyzing single- and multi-layer omics data.

In the present Special Issue, we aim to gather experiences in developing novel methodologies, pipelines, and software tools for the multi-level analysis of high-throughput data. We encourage contributions on methods and tools which are enabling emerging new omics applications, multi-omics data analysis and integration, platforms for sharing, and applications of multi-level approaches to the study of biological phenomena and diseases. We kindly welcome multiple types of manuscripts, including original research articles, reviews, short communications, and concept papers.

Guest Editors

Dr. Margherita Mutarelli

Dr. Mario Guarracino

Dr. Ilaria Granata

Deadline for manuscript submissions

closed (5 May 2023)

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/114291

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
Department of Pathology, 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))