



genes



an Open Access Journal by MDPI

Transcriptomics and Bioinformatics in Precision Medicine

Guest Editor:

Dr. Pora Kim

Center for Computational
Systems Medicine, School of
Biomedical Informatics, The
University of Texas Health
Science Center at Houston,
Houston, TX 77030, USA

Deadline for manuscript
submissions:

closed (10 January 2023)

Message from the Guest Editor

The mRNA transcriptome effectively shows the cellular context of active functions. Due to the significant information on individual cells and the relatively easy capturing process of gene expression, transcriptomics was explored from high-throughput genomic studies using microarray. Along with the advances of next-generation sequencing technology, three factors of cost-effectiveness (data creation), diverse analyses (interpretation), and easy usage (diagnosis) serve as a foundation for the accumulation of huge amount of RNA-seq data. Accordingly, transcriptomic studies became the essence of genomic studies, with diverse bioinformatics methodologies to better understand human disease and identify novel therapeutic targets. From transcriptomic data, scientists capture the expression profiles of genes, study alternative splicing, identify disease-specific transcripts, roles in the multi-omics landscape, and etc. In this Special Issue, authors are encouraged to submit original manuscripts describing diverse transcriptomics and bioinformatics studies applied to precision medicine. Also encouraged are papers describing reviews or comparisons of relevant bioinformatics methodologies.



mdpi.com/si/95307

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)