Gene Regulation and Bioinformatics

Guest Editors:

Dr. Jinghua Zhao
Department of Public Health and
Primary Care, University of
Cambridge, Cambridge, UK

Dr. Jiadong Ji
Institute for Financial Studies,
Shandong University, Jinan
250100, China

Deadline for manuscript
submissions:
10 June 2024

Message from the Guest Editors

Gene regulation is a fundamental process that governs gene expression, which in turn plays a critical role in various biological processes. Bioinformatics has emerged as a powerful tool for understanding the complex mechanisms of gene regulation and identifying novel targets for therapeutic intervention. To date, the field of gene regulation has been transformed by the advent of bioinformatics, which provides powerful tools for analyzing large amounts of genomic data.

This Special Issue aims to explore the intersection of computational and biological sciences in the context of gene regulation. We invite submissions that use bioinformatics approaches to study gene regulation at all levels, from transcriptional to post-transcriptional regulation, and in all organisms, from bacteria to humans. We are particularly interested in studies that use integrative approaches to combine genomic, epigenomic, and transcriptomic data to gain insights into gene regulation. The Special Issue will cover a broad range of topics including, but not limited to, regulatory networks, epigenomics, non-coding RNAs, machine learning algorithms, and network-based analysis.

Special Issue

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