

Special Issue

DNA and RNA Epigenetics and Transcriptomics Research, 2nd Edition

Message from the Guest Editors

Epigenomic regulation refers to heritable alterations in gene expression that do not involve changes in DNA sequences themselves. DNA modifications were proposed as carriers of epigenetic information in early research, with subsequent work revealing that histone modifications, chromatin accessibility, noncoding RNAs, and RNA modifications are also important in this process. The rapidly accelerating, cutting-edge field of epigenomics research has made us understand the molecular mechanisms related to this process, its regulatory functions, and its interaction with other biological process.

This Special Issue is the second edition of the Special Issue "DNA and RNA Epigenetics and Transcriptomics Research", which has published 12 papers and attracted 31,508 authors' attention. It will focus on the interplay between regulatory function and epigenomics, including cellular and reprogramming events, epigenetic inheritance across generations, and responses to physiological stimuli and disease. Moreover, this issue will discuss non-coding RNAs; DNA and RNA modifications; and the role of chromatin accessibility in regulating both inheritance and gene expression plasticity.

Guest Editors

Prof. Dr. Yan Zhang

Prof. Dr. Rujiao Li

Prof. Dr. Jianzhong Su

Deadline for manuscript submissions

closed (20 October 2024)

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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

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