

Special Issue

DNA and RNA Epigenetics and Transcriptomics Research

Message from the Guest Editors

Epigenomic regulation refers to the heritable alterations in gene expression that do not involve changes in the DNA sequences themselves. DNA modifications were proposed as a carrier of epigenetic information early on, with subsequent work revealing that histone modifications, chromatin accessibility, noncoding RNAs, and RNA modifications are also important for this process. The rapidly accelerated epigenomics research, resulting in it becoming a cutting-edge field of research that drives spectacular progresses in our understanding of the related molecular mechanisms, regulatory functions, and interaction with other biological process. This Special Issue will focus on the interplay between regulatory function and epigenomics, including cellular and reprogramming events, epigenetic inheritance across generations and response to physiological stimuli and in disease. The non-coding RNAs, DNA and RNA modifications, and chromatin accessibility that can regulate both inheritance and gene expression plasticity will all be discussed.

Guest Editors

Prof. Dr. Rujiao Li

Prof. Dr. Yan Zhang

Prof. Dr. Jianzhong Su

Deadline for manuscript submissions

closed (20 November 2022)

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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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