

Special Issue

Epigenetic Regulation of Cell Fate

Message from the Guest Editors

Activation of specific genes in mammalian cells can trigger a change in cellular identity and underlies many physiological and pathological processes. For example, changes in the gene expression program of stem and progenitor cells can initiate their differentiation into more specialized cell types and hence play an essential role in embryonic development, adult tissue homeostasis, and organ regeneration. These include histone modifications, DNA methylation, chromatin accessibility, RNA and protein modifications, and the interaction of various factors, including different regulatory elements, transcription factors, epigenetic regulators, long non-coding RNAs, and microRNAs. This Special Issue invites researchers to contribute original research and review articles discussing the epigenetic control of various cellular conversions, advances in technological development for understanding epigenetic control mechanisms, and epigenetic-based strategies to restore normal cellular function.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2023)

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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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