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Evolutionary Genetics of Gene Expression

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Message from the Guest Editors

Changes in gene expression can generate phenotypic diversity within and between species and, thus, play an important role in evolution. The expression of a gene may be influenced by various genetic events, including point mutations, insertions/deletions, transposable element mobilizations, gene duplications, and chromosomal rearrangements. Furthermore, mutations altering gene expression may be linked to the affected gene, such as changes to transcriptional enhancers (*cis*-regulation), or may occur elsewhere in the genome and exert their effects through gene regulatory networks (*trans*-regulation). In this Special Issue, we aim to publish review and original research papers that address the evolution of gene regulation using molecular evolutionary, population genetic, or functional genomic methods. In particular, we encourage submissions that address the genetic basis of gene expression variation, how it influences an organismal phenotype, and how it responds to natural selection.



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Special Issue



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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.

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