

## Special Issue

# Gene Regulation in Cell Fate and Function

### Message from the Guest Editor

Cell fate decisions and cellular functions are fundamental processes governing multicellular life, from development through to tissue maintenance, repair, and regeneration. Their dysregulation is tightly linked to major diseases including cancer, aging, and neurodegeneration. Increasing our understanding of these regulatory mechanisms is significantly valuable for basic biology and translational medicine and offers promising opportunities for bioengineering and pharmaceutical innovation. Gene regulation controls cell fate and function through intricate interactions among cellular cues, transcriptional networks, and epigenetic programs. Recent technological advances have enabled the decoding of gene regulation with unprecedented spatial and temporal resolution. These insights provide new toolkits for manipulating cellular outcomes. This Special Issue welcomes original research and critical reviews addressing gene regulation in cell fate and function. By highlighting advances in gene regulation, this Special Issue seeks to deepen understanding of the regulatory mechanisms underlying cell fate decisions and cellular functions.

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### Guest Editor

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### Deadline for manuscript submissions

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## Genes

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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?

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### Editor-in-Chief

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