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Cell Cycle and Regulation

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Deadline for manuscript
submissions:

closed (31 January 2019)

Message from the Guest Editor

Many molecular mechanisms control the cell cycle, and some of these take place in parallel and exhibit redundancy. A major level of control is carried out through the regulation of gene transcription. Entry and progression through, as well as exit from, the cell cycle require a series of well-coordinated transcriptional and epigenetic pathways to regulate the timely expression of hundreds of genes. Recent studies have been very helpful in identifying diverse transcriptional networks in the cell cycle. However, we are still far from full understanding of the transcriptional events operating in processes linked to the cell division cycle.

This Special Issue is focused on studies related to the genetic and epigenetic regulation of the cell cycle, from the analysis of cell cycle entry at quiescence and onward through to the study of cell cycle exit and terminal differentiation, and how this regulation is altered in stressful or pathological conditions, such as cancer.

We cordially invite researchers working actively in these fields to submit their original research or review manuscripts to this Special Issue on cell cycle regulation.



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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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