Special Issue

Epigenetics of Fragile X and Other Neurodevelopmental Disorders

Message from the Guest Editors

In recent years, the field of epigenetics has seen a tremendous expansion as testified by the number of published papers and even the creation of dedicated journals. Epigenetics is a set of regulatory mechanisms affecting gene activity and a signature thereof, acting primarily through DNA methylation and histone acetylation. Mutations impinging on these mechanisms can cause genetic diseases. At the same time, the reversibility of epigenetic marks opens the way to the possibility of treating these diseases through drugs that affect these marks.

More recently we have witnessed the extension of epigenetics to the RNA world. The activity of mRNAs can be affected by adenosine methylation, and transcriptome-wide methylation mapping is providing a methylation profile of cellular RNAs, known as the epitranscriptome.

The purpose of this Special Issue is to host research and review papers on current molecular understanding of the role epigenetic derangements in causing heritable neurodevelopmental disorders and its corollaries towards the establishment of “epigenetic therapies”.

Guest Editors

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Deadline for manuscript submissions

closed (10 July 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?

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