

Special Issue

The Genetic and Epigenetic Basis of Neurodevelopmental Disorders

Message from the Guest Editor

Next-generation sequencing technologies have revolutionized gene discovery for a variety of medical conditions, including a group of disorders affecting brain development and function known as neurodevelopmental disorders (NDDs). Despite the common phenotypic heterogeneity present in NDDs, the identification of genetic causes has significantly improved the assessment of recurrent risks and the foreseeing of future medical complications, which has important ramifications for genetic counseling and patient management. Modeling the genetic causes of NDDs in mice and other model organisms has also enhanced the understanding of disease pathophysiology and uncovered new strategies for therapeutic development. In this Special Issue, we solicit original studies and review articles that focus on the genetic and epigenetic basis of NDDs with the aim of better understanding the interplay between genetics, epigenetics, and neurodevelopment. The goal is to reveal new insights into the underlying pathogenic mechanisms and pave the way for potential therapeutic interventions that target and modulate the epigenetic processes to mitigate or reverse clinical symptoms in NDDs.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2024)

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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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