Special Issue

Genetics and Genomics of Heritable Pediatric Disorders

Message from the Guest Editors

The technological advancements in nucleic acids and protein sequencing platforms and in massively parallel sequencing, with corresponding developments in global online analyses and patient data disease databases, enable researchers to identify and examine genetic errors across the genome, transcriptome and proteome. Identifying specific genetic and physiological contributions to heritable pediatric disorders potentiates early intervention; targeted, more effective treatments; anticipation of comorbidities; and counselling for parents on prognosis and recurrence risk.

We encourage submissions of unpublished original manuscripts with a strong genetic component describing recent advances on all aspects related, but not limited, to the following topics: functional studies of genes or variants, gene expression analyses, rare-variant analyses, animal models, iPSCs (induced pluripotent stem cells), non-coding RNAs, clinical and molecular descriptions of new syndromic and non-syndromic forms of genetic disorders, clinical and molecular descriptions of congenital defects and dysmorphic syndromes in prenatal and postnatal periods, as well as genotype–phenotype correlations.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2022)

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Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/115375

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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?

Editor-in-Chief

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