Special Issue

Genetic and Phenotypic Subtypes of Autism Spectrum Disorder

Message from the Guest Editor

Autism Spectrum Disorder (ASD) is a heterogeneous spectrum, both clinically and etiologically, making it a prime candidate for 'precision medicine' based on understanding of cause, rather than behaviours alone. The diagnosis of ASD does not imply etiology, but rather a complex constellation of behavioural and developmental symptoms of a group of conditions comprising discrete genetic, metabolic, congenital, and environmental causes. For complex genetic disorders, such as ASDs, it is important to identify biological markers that distinguish subtypes. With current genomics technologies, it is possible to capture a molecular profile of individuals with ASD

In this special issue we welcome contributions that integrate standardized metrics for subgrouping the ASD phenome with its genomic underpinnings. It is the aim of this issue to provide a deeper understanding of genetic and phenotypic subtypes of ASD that can serve as etiologically valid biomarkers for incisive molecular analyses of genes, and gene pathways, which underlie susceptibility to autism and its pathogenesis, that may ultimately enable early diagnosis and more precise, effective treatments.

Guest Editor

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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?

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