

Special Issue

Autism: Genetics, Environment, Pathogenesis, and Treatment

Message from the Guest Editor

Autism Spectrum Disorders (ASDs) comprise a heterogeneous group of neurodevelopmental conditions. ASD is recognized as a multifactorial condition arising from complex interactions between genetic susceptibility and environmental influences. To date, hundreds of genetic risk factors have been identified, alongside environmental contributors such as advanced parental age, perinatal complications, exposure to environmental pollutants, and alterations in the gut microbiota. However, the pathophysiological mechanisms linking these factors to ASD remain largely unresolved. We therefore encourage the submission of original research articles that leverage recent advances in multi-omics technologies, animal and organoid models, ASD data repository, and state-of-the-art statistical, bioinformatic, and AI approaches to address the complexity of this multifactorial disorder. Studies aimed at identifying novel biomarkers and pathogenic pathways are particularly welcome, as they may pave the way for early diagnosis, personalized therapies, and ultimately improved prevention and treatment of ASD.

Guest Editor

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Deadline for manuscript submissions

10 July 2026

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Genes

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CiteScore 5.5
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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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