

Special Issue

The Molecular Genetics of Autism Spectrum Disorders

Message from the Guest Editors

Autism spectrum disorders are a heterogeneous set of neurodevelopmental conditions characterized by persistent difficulties with social skills, speech and nonverbal communication, as well as repetitive behaviours. The prevalence of these conditions is increasing, affecting 1 in 44 children in the US. The aetiology of autism has complex genetic and environmental origins. Hundreds of genes associated with autism, and multigene interactions and rare mutations greatly contribute to this condition. In the same way, epigenetic changes are also involved in autism onset. This Special Issue of *Brain Sciences* presents a collection of studies detailing the most recent advancements in the field of molecular genetics of autism spectrum disorders. Authors are invited to submit original articles and reviews that address genetics, epigenetics and transcriptomics in autism spectrum disorders. These articles will help to disentangle the molecular complexity of this condition, highlighting possible genotype–phenotype relations and therapeutic targets for personalized medicine.

Guest Editors

Dr. Francesca A. Cupaioli

National Research Council, Institute for Biomedical Technologies,
20054 Segrate, Italy

Dr. Alessandra Mezzelani

National Research Council, Institute for Biomedical Technologies,
20054 Segrate, Italy

Deadline for manuscript submissions

closed (31 January 2024)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/156230

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

[mdpi.com/journal/
brainsci](https://mdpi.com/journal/brainsci)





Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



[mdpi.com/journal/
brainsci](https://mdpi.com/journal/brainsci)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYINDEX, PsycInfo, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.