

Special Issue

Update on the Treatment of Fragile X Syndrome

Message from the Guest Editors

Fragile X syndrome (FXS) is a well-defined genetic cause of inherited intellectual disability (ID). It is also the best-understood single-gene factor associated with autism spectrum disorder (ASD). Deficits in the fragile X gene's key protein seem to be the critical unifying factor linked, at a synaptic level, to dysfunction in brain pathways and to at least some aspects of behavioral symptoms in idiopathic ASD. Thus, further advances in the understanding of FXS may help to inform studies on ID and other ASD in highly heterogeneous idiopathic ASD. In last decade, major progress in elucidating the underlying causes of FXS has generated new targeted approaches to manage them. Indeed, among all neurodevelopmental disabilities, FXS has been at the forefront of efforts to test preclinical evidence for these interventions in clinical studies. In this issue, we focus on the objective and/or directly observable quantitative measures of FXS pathophysiology of meaningful relevance not only to the treatment challenges but also to understanding the developmental trajectory in FXS, including novel topics with implications on ASD and ID.

Guest Editors

Dr. Dejan B. Budimirovic

Dr. Walter E. Kaufmann

Dr. Craig A. Erickson

Deadline for manuscript submissions

closed (15 June 2020)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/29245

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 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first 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.