

Special Issue

Neural Basis of Executive Control

Message from the Guest Editor

Executive function refers to a wide range of cognitive skills that are involved in goal-directed behavior. Executive function plays an important role in both the development of cognitive skills in early childhood and the decline in cognitive function with aging. The importance of executive function across the lifespan highlights the need for a principled understanding of the underlying neural mechanisms. Research on the neural basis of executive function has made significant progress in recent years due to advancements in neuroimaging technologies, analytical methods, and computational approaches. The goal of this Special Issue is to highlight cutting-edge research on the neural mechanisms and neural dynamics that give rise to executive function. We invite research from a wide range of neural measurements, computational approaches, time scales, and tasks.

Guest Editor

Dr. Aaron Buss

Department of Psychology, The University of Tennessee, Knoxville, TN 37996, USA

Deadline for manuscript submissions

closed (25 June 2023)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/130035

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

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.