

## Special Issue

# Physical Exercise-Driven Brain Plasticity

### Message from the Guest Editors

Recently, the theory of embodied cognition, which proposes cognitive processes are based on neural and behavioral systems of action, perception, and emotion, has attracted a great deal of attention. Physical exercise is a typical behavior which could help to connect the human body, mind, and brain. Increasing evidence has demonstrated that physical exercise could reshape our brain structure and function, and these alterations are also closely associated with changes in cognitive function and emotional state. However, the characteristics of morphometric and functional plasticity in human brain after different exercise modes, intensity, and frequency remain largely unknown.

For this Research Topic, we welcome submissions from authors working in different research areas, focusing on physical-activity-induced brain imaging studies to advance the knowledge and practical implications of the effect of physical exercise on brain health. Both original research and review articles are welcome.

---

### Guest Editors

Dr. Gaoxia Wei

Dr. Tao Huang

Prof. Dr. Weina Liu

---

### Deadline for manuscript submissions

closed (25 March 2023)



## Brain Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/si/117536](https://mdpi.com/si/117536)

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