

Special Issue

The Role of the Sensorimotor System in Cognitive Functions

Message from the Guest Editor

The sensorimotor system may contribute to the cognitive processes necessary for interaction with the world. A series of neurophysiological, brain imaging, and behavioral studies have brought evidence of the involvement of the sensorimotor system during different cognitive functions: action perception, space coding, attention, memory, beat perception, numerical abilities, speech perception and production, pain empathy, and many others. However, few of them have shown that this relationship is causal, and that a specific injury to the sensorimotor system determines a specific cognitive deficit. Furthermore, almost all of these studies have underestimated the theoretical implication of the fact that the sensorimotor involvement is present not only during the processing of biological stimuli, but also during the processing of non-biological ones. This Special Issue aims to bring together research on the involvement of the sensorimotor system in cognitive functions. Original research articles and reviews are welcome. Research areas may include the following: experimental psychology, developmental psychology, neuropsychology, neurophysiology, brain imaging and computer science.

Guest Editor

Prof. Dr. Laila Craighero

Department of Neuroscience and Rehabilitation, University of Ferrara, Ferrara, Italy

Deadline for manuscript submissions

closed (1 December 2021)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/76469

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

mdpi.com/journal/

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





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.