Special Issue

Advances in Assessment and Training of Perceptual-Motor Performance (2nd Edition)

Message from the Guest Editors

Most human endeavors involve decisions that guide goal-directed interactions with changing environmental conditions. Historically, the brain processes that link sensory inputs and memories to the execution of effective goal-directed actions have been viewed as mysterious, unmeasurable, and unmodifiable. Recent advances in neuroimaging technologies are rapidly increasing our knowledge in this area, but clinical applications of the findings need further development and documentation of their effectiveness. The purpose of this Special Issue is to gather research pertaining to measurable behaviors or physiological markers that are associated with potentially modifiable brain processes such as selective attention, visual detection, sensory weighting, stimulus discrimination, conflict resolution, decision-making, motor control, and bilateral movement symmetry. Any research findings that may contribute to a better understanding of interventions for improvements in the speed, accuracy, and consistency of responses to environmental stimuli are welcomed, as well as content reports relating to the prevention and/or rehabilitation of specific brain-related pathologies.

Guest Editors

Prof. Dr. Gary Wilkerson
Department of Health and Human Performance, University of Tennessee at Chattanooga, Chattanooga, TN 37403, USA

Dr. Scott L. Bruce
Masters of Athletic Training Program, College of Nursing and Health Professions, Arkansas State University, Jonesboro, AR 72401, USA

Deadline for manuscript submissions

28 February 2026

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/234016

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

MDPI

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, PSYNDEX, 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.