

Special Issue

Evaluation and Management of Movement Disorder

Message from the Guest Editor

Movement disorders are caused not only by motor system impairments per se, but also by cognitive disorders and psychiatric diseases. For the management of movement disorders, both bottom-up and top-down approaches are investigated, including physical activities inducing motor learning, non-invasive brain stimulation, functional neuromuscular stimulation, botulinum toxin injection, intrathecal baclofen infusion, orthotic devices, robotic training, and multisensory feedback such as virtual reality. However, because of insufficient knowledge on the specific mechanisms of these interventions, combining with large interindividual variations in pathophysiological conditions and therapeutic responses, it is still difficult to determine the individualized treatment for each patient with movement disorders. Thus, the scope of this Special Issue ranges from body function to interpersonal interaction and from neuroscience and rehabilitation medicine to biomedical engineering, aiming to inspire new ideas to ameliorate movement disorders based upon comprehensive understanding of patients' pain points due to the disorder.

Guest Editor

Prof. Dr. Shin-Ichi Izumi

Department of Physical Medicine & Rehabilitation, Tohoku University
Graduate School of Biomedical Engineering, Sendai 980-8575, Japan

Deadline for manuscript submissions

closed (10 January 2022)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/82314

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 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.