

Special Issue

Application of Deep Brain Stimulation in Movement Disorders

Message from the Guest Editors

Since mid-1980s, deep brain stimulation (DBS) has undergone a fast evolution to become an effective and well-accepted treatment for PD, dystonia, tremor, OCD, and it was recently suggested as a recovery treatment for other neurological and medical conditions. The mentioned progress has been possible due to advances in neuroimaging and neurophysiology approaches for DBS target improvement as well as technical advances such as DBS leads providing multi-directional stimulation, novel implantable pulse generators enabling more complex stimulation patterns, batteries with long-lasting duration, and implanted DBS stimulators enabling the continuous wireless monitoring of brain activity. These exciting aspects have opened up the tremendous possibility of improving individualized medical treatment, with a reduction in side effects as well as new insights into unanswered brain mechanisms. This Special Issue invite researchers dealing with all aspects of DBS including, but not limited to, neurophysiology, clinical practice, technical developments, computational neuroscience, cognitive and motor mechanisms, and brain-computer interfaces to submit their work.

Guest Editors

Dr. Diane Ruge

Laboratoire de Recherche en Neurosciences Cliniques (LRENC), 34725 Montpellier, France

Dr. Carlos Trenado

1. Institute of Clinical Neuroscience and Medical Psychology, Heinrich Heine University Düsseldorf, 40225 Düsseldorf, Germany
2. Laboratoire de Recherche en Neurosciences Cliniques (LRENC), 34725 Montpellier, France

Deadline for manuscript submissions

30 August 2025



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/221988

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.