



an Open Access Journal by MDPI

Transcranial Magnetic Stimulation (TMS): Applications in Clinical and Basic Neuroscience

Guest Editor:

Dr. George Opie

Discipline of Physiology, Adelaide Medical School, The University of Adelaide, Adelaide, Australia

Deadline for manuscript submissions: closed (1 February 2021)

Message from the Guest Editor

TMS represents one of the few techniques able to noninvasively assess and modulate neurophysiological function in human participants. While this technique was established within the motor domain, coregistration with other neuroimaging modalities (e.g., EEG, fMRI, etc.) now means that TMS is utilised within broad, multidisciplinary areas of both basic and clinical neuroscience. Consequently, TMS methodology and technology is continuously evolving, resulting in an ever-growing potential for applications with functional relevance. The aim of this Special Issue is therefore to highlight novel and developing areas of TMS application in both health and disease. Research focused on neuroplasticity and intracortical circuitry are particularly encouraged. Studies aiming to better understand the neurophysiological processes underpinning both conventional and emerging are also methodologies appreciated. We invite contributions in the form of review articles and original research pieces.









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Stephen D. Meriney Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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).

Contact Us

Brain Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland

Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/brainsci brainsci@mdpi.com X@BrainSci_MDPI