



Frontiers in Underlying Mechanisms of Neuromuscular Function

Guest Editor:

Dr. Soha Saleh

Center for Mobility and
Rehabilitation Engineering
Research, Advanced
Rehabilitation Neuroimaging
Laboratory, Kessler Foundation,
East Hanover, NJ 07936, USA

Deadline for manuscript
submissions:

closed (5 January 2022)

Message from the Guest Editor

Neuromuscular control involves the integration of information between the central and peripheral nervous systems to control movement through coordinated muscle activity. The impact of neurological and neuromuscular disorders on this control system and its consequential effects on mobility and balance opens up questions related to the underlying mechanisms of neuromuscular function and how it is modulated by disease and treatment. This research topic aims to host research that focuses on electrophysiological and behavioral measures to understand mechanisms of neuromuscular function, specifically the communication between central nervous system and muscles. The research topic requires that the research contribute to better understanding of the underlying causes of mobility and balance deficits in patient populations. We welcome innovative research that applies state-of-the-art technology to understand the neurophysiology of neuromuscular function and motor recovery in aging population, and in populations with disorders of central nervous system or peripheral nervous system. We solicit original research, clinical reports, reviews, perspective and opinion articles.





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, PSYINDEX, CAPus / SciFinder, and other databases.

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 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 2023).

Contact Us

Brain Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/brainsci
brainsci@mdpi.com
[X@BrainSci_MDPI](https://twitter.com/BrainSci_MDPI)