Special Issue

Underlying Mechanisms of Neuromuscular Function and Brain to Muscle Connectivity

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. Understanding this control system is important in sports to improve the efficiency of task performance and in neurorehabilitation to treat the consequential effects of neurological and neuromuscular disorders on mobility and balance. This Special Issue focuses on studying the mechanisms of neuromuscular function and the communication between the central nervous system and muscles using advanced technologies. We welcome innovative research that applies state-of-the-art technology to understand the neurophysiology of neuromuscular function and motor recovery in aging populations, and in populations with disorders in the central nervous system or the peripheral nervous system (autoimmune diseases such as myasthenia gravis, peripheral neuropathy, muscular dystrophy, etc.). We are accepting original research studies, clinical reports, reviews, perspectives, and opinion articles.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2023)

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/110882

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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

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