Special Issue

Acute and Chronic Changes in Neural Excitability During Physical Activity in Non-Pathological States

Message from the Guest Editor

The neural control of human motor output and how it is modified by alterations in physical activity levels is complex and multidimensional. The use of various experimental designs has vastly increased our knowledge of how the nervous system integrates descending, segmental, and ascending information to produce motor outputs, yet there is still much to learn. A more complete picture of how the neurophysiology underlying the control of human motor outputs may prove useful in guiding rehabilitation programs aimed at reducing motor impairments following disease or injury is emerging. The purpose of this Special Issue is to collect original articles that explore neural excitability in various states. Studies examining neural excitability on a moment-to-moment basis (acute) or following prolonged periods of exercise or skill training and disuse (chronic) are encouraged. Original research studies using various experimental measuresin various states during different types of motor outputs are encouraged. Experimental studies and literature reviews are welcome.

Guest Editor

Dr. Kevin Power

CSEP-CEP School of Human Kinetics and Recreation ,Cross-Appointment, Biomedical Sciences, Faculty of Medicine Memorial University of Newfoundland, St. John's, Newfoundland, A1C 5S7, Physical Education Building, Room PE 2022A

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Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/brainsci

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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

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

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