Special Issue

Rhythm Perception and Neural Plasticity

Message from the Guest Editor

There has been a wide range of insightful studies on rhythm perception and production for many decades, especially in the auditory modality. From psychophysics approaches to more recent inquiries using neuroimaging techniques, the study of how the brain processes rhythmic stimuli has provided important knowledge about time processing in the human brain. In music, rhythm plays a central organizing role for all other musical elements. However, the study of musical rhythm processing has also shown that rhythm is a composite term consisting of hierarchically ordered elements building rhythmic structures, and those structures can be quite different across musical cultures. However, in spite of a large body of excellent literature on rhythm perception—including rhythm production, rhythmic sensorimotor synchronization, and entrainment—the neural mechanisms underlying these temporally fast and precise processes are not well understood. Therefore, we are inviting contributions to a Special Issue with an emphasis on presenting and discussing neural mechanisms and neuroplasticity in rhythm perception and production in healthy and dysfunctional conditions.

Guest Editor

Prof. Dr. Michael H. Thaut

Faculty of Music, University of Toronto, Edward Johnson Building, 80 Queen's Park, Toronto, ON M5S 2C5, Canada

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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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