



Rhythm Perception and Neural Plasticity

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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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.





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Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience,
University of Pittsburgh,
Pittsburgh, PA 15260, USA

Message from the Editor-in-Chief

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Brain Sciences Editorial Office
MDPI, Grosspeteranlage 5
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