Special Issue

Focusing on the Rhythmic Interventions in Movement Disorders

Message from the Guest Editor

Rhythm- and music-based interventions hold promise in managing the clinical symptoms of Parkinson's disease. However, research has predominantly centered on investigating rhythmic auditory cueing for motor function with a limited number of high-quality studies. Rigorous research studies and randomized clinical trials are needed to uncover the neural mechanisms and translate the knowledge into clinical practice, including studies with larger sample sizes and multicenter trials, as well as comprehensive neuroimaging and neurophysiological investigations. Furthermore, there is a need for studies that target the subtypes of Parkinson's disease or address diverse clinical symptoms such as cognition and speech, as well as those stratifying participants based on severity levels and including atypical parkinsonism. Additionally, evaluating novel technologies for home-based interventions and data collection can enhance accessibility and reduce costs. This Special Issue aims to highlight recent advancements in applying rhythm and music to movement disorder interventions, offering insights into evolving interventional options for this challenging condition.

Guest Editor

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Deadline for manuscript submissions

closed (21 March 2025)

Brain Sciences

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