Special Issue

Advances in Music-Related Neuroplasticity: Mechanisms and Medicine

Message from the Guest Editor

Music-related neuroplasticity research has elucidated where, when, and how music training shapes brain responses to sound, and under what conditions plasticity flourishes. Examinaing music-related neuroplasticity mechanisms is required so testable models and predictions about patient populations who would benefit most from music intervention can be made. Research postulates the effectiveness of music-related plasticity depends on stimuli presented and the quality of interpersonal music communication and brain synchrony across participants. The aim of this Special Issue is to present a collection of studies linking mechanisms of music neuroplasticity with clinical implementation. The scope of work includes papers focused on codifying music interventions for patients and people across lifespan, studies or opinion papers on specific features of music that promote plasticity, results that promote or lead to specific music-related mechanistic hypotheses and experiments or reviews of music-related interpersonal synchrony that could be implemented clinically. By bringing these articles together we hope to help build a bridge between mechanistic discovery and medical recovery with music!

Guest Editor

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Message from the Editor-in-Chief

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.

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