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Physical Exercise-Driven Brain Plasticity

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Deadline for manuscript submissions:
closed (25 March 2023)

Message from the Guest Editors

Recently, the theory of embodied cognition, which proposes cognitive processes are based on neural and behavioral systems of action, perception, and emotion, has attracted a great deal of attention. Physical exercise is a typical behavior which could help to connect the human body, mind, and brain. Increasing evidence has demonstrated that physical exercise could reshape our brain structure and function, and these alterations are also closely associated with changes in cognitive function and emotional state. However, the characteristics of morphometric and functional plasticity in human brain after different exercise modes, intensity, and frequency remain largely unknown.

For this Research Topic, we welcome submissions from authors working in different research areas, focusing on physical-activity-induced brain imaging studies to advance the knowledge and practical implications of the effect of physical exercise on brain health. Both original research and review articles are welcome.

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Message from the Editor-in-Chief

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