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Application of Transcranial Electrical Stimulation (tES) for Improving Neurocognitive and Motor Deficits

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Message from the Guest Editors

Transcranial electrical stimulation (tES) has been exponentially applied in recent years, especially in human research. In addition to the physiological effects of tES techniques on the human brain, which is well documented, there are also potential opportunities for improving behavior and cognition. The current findings in this respect have been promising in some fields; however, they have been inconsistent as well. Moreover, the application of some novel techniques (e.g., tACS, tRNS) for the improvement of behavior and cognition is yet to be investigated. Accordingly, there is still a need for more high-quality research in this field.

This special issue covers recent findings on the application of transcranial electrical stimulation (tES), including tDCS, tACS, tRNS, for improving cognition in healthy individuals, as well as neurorehabilitation purposes in clinical populations. Topics related to the variability of therapeutic response to tES are of special interest in this issue.

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Message from the Editor-in-Chief

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