



Non-invasive Neuromodulation for Brain Function: Past, Present and Promise

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Message from the Guest Editor

Neuromodulation is an expanding technique integrating medicine, biology, and engineering, including non-invasive and invasive methods. Among them, the former has the advantage of being efficient and safe and is applied in neuropsychiatry therapy. Non-invasive neuromodulation can regulate the neural activity of the brain to affect brain functions including cognition, emotion, social behavior, and so on. The main intervention types include transcranial electrical stimulation, transcranial magnetic stimulation, transcranial ultrasound stimulation, etc. Over the past twenty years, non-invasive neuromodulation has played an increasingly important role in the treatment of many neuropsychiatric diseases, such as depression, Parkinson's disease, Alzheimer's disease, schizophrenia, and vascular dementia.

This Special Issue aims to present a collection of studies detailing the most recent advancements in the field of non-invasive neuromodulation for brain function. We welcome original research papers, theoretical and methodology papers, and review papers describing the generation, use, and knowledge translation of non-invasive neuromodulation.





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Message from the Editor-in-Chief

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