



Deep Brain Stimulation for Cognitive Dysfunction and Psychiatric Disorders

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Deadline for manuscript
submissions:

25 September 2024

Message from the Guest Editors

Deep Brain Stimulation (DBS) is a surgical procedure that involves implanting electrodes that deliver electrical impulses to specific areas of the brain, modulating neuronal activity in order to treat certain medical conditions. The clinical use of DBS is among the most important advances in the clinical neurosciences in recent decades. Although it has primarily been used to treat movement disorders, such as Parkinson's disease, its novel potential indications in both neurological and psychiatric disorders are undergoing active investigation. This Special Issue aims to collect clinical and pre-clinical studies, investigating the application of DBS in the management of cognitive and neuropsychiatric disorders, as well as future directions in the DBS field. A deeper understanding of the working mechanisms of DBS, its limitations, and potential applications in the management of cognitive and neuropsychiatric disorders will help to elaborate the future role of this technology in treating the most challenging diseases affecting the human brain.





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