

Special Issue

Deep Brain Stimulation for Cognitive Dysfunction and Psychiatric Disorders

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.

Guest Editors

Dr. Luciano Furlanetti

Department of Basic & Clinical Neuroscience, King's College London, London, UK

Dr. Eduardo Joaquim Lopes Alho

Pain and Functional Neurosurgery Clinic, Sao Paulo, Brazil

Dr. Paulo Roberto Franceschini

Functional Neurosurgery Department, Universidade de Caxias do Sul, Caxias do Sul, Brazil

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

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Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

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