Special Issue

Advances in Deep Brain Stimulation for Parkinson's Disease and Other Movement Disorders

Message from the Guest Editor

Deep brain stimulation is one of the fastest-growing neuroscience areas, it has dramatically improved motor and non-motor symptoms among the main movement disorders, including Parkinson's disease, tremor, dystonia, and Tourette's syndrome. This Special Issue seeks original research and reviews addressing advances in DBS for Parkinson's disease and other movement disorders. Submissions will be welcomed on the following topics:

Neurophysiology to guide adaptive DBS (aDBS) and identify neural biomarkers for different symptoms;
Imaging-based programming DBS studies;
DBS research that addresses challenging symptoms in Parkinson's disease, such as gait and balance problems, along with non-motor symptoms;
The role of genetics in DBD indications for Parkinson's disease and dystonia;
Cutting-edge artificial intelligence (AI) and the computational modeling of DBS;
New targets and new advanced programming strategies;
Critical features to be incorporated into future DBS devices.

Guest Editor

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Deadline for manuscript submissions

closed (27 December 2024)

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

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