Special Issue

Deep Brain Stimulation (DBS) in Neurodegenerative Diseases

Message from the Guest Editor

Parkinson's disease (PD) is a devastative neurodegenerative disease. Concerningly, its underlying molecular mechanisms are still unclear. Deep brain stimulation (DBS) significantly improves the disease motor symptoms. Recent evidence demonstrates the power of RNA sequencing for identifying valuable and urgently needed blood biomarkers and advancing both early and accurate detection of neurological diseases—in particular, PD. RNA sequencing technology performs a non-biased, high throughput, probe-independent inspection of expression data and high coverage, which enables both the quantification of global transcript levels and the detection of expressed exons and junctions. However, the analysis of sequencing data frequently presents a bottleneck. Tools for quantification of alternative splicing from sequenced libraries hardly exist at the present time, and methods that support multiple sequencing platforms are especially lacking. We welcome colleagues to contribute to this Special Issue, sharing their expertise including Alzheimer's disease, Aging, Machine learning and Parkinson's disease.

Guest Editor

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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.

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