

Special Issue

Challenges and Innovation in Neurodegenerative Diseases, 2nd Edition

Message from the Guest Editor

The umbrella of neurodegeneration covers a group of heterogeneous diseases including Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, and others. Although considerable advances in understanding the triggers of neurodegenerative diseases had led to new drug development, there are a handful of challenges. For example, good disease models are devastatingly needed. A full understanding of the involvement of protein aggregation in disease progression and the identification of specific biomarkers would allow early detection and progression monitoring. The recent application of machine learning and artificial intelligence in new drug discovery as well as the use of stem cell therapy also brings hope to patients with neurodegenerative diseases.

This Special Issue aims to collect views on the current challenges in the field, the exciting progress in deciphering the disease pathogenesis, and the cutting-edge technologies for the early detection of neurodegeneration. The accumulation of innovative findings in these areas may pave the way for the development of therapeutic interventions for neurodegenerative diseases.

Guest Editor

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