

Special Issue

The Neural Processes Underlying Parkinson's Disease and Related Synucleinopathies

Message from the Guest Editor

Understanding the processes underlying neurodegeneration in Parkinson's disease and related synucleinopathies is critically important for the development of disease-modifying therapeutics. These disorders, which include dementia with Lewy bodies and multiple system atrophy, share the common feature of aggregation of α -synuclein protein into insoluble filamentous inclusions. Despite extensive research efforts, the relationship of protein aggregation with neuronal dysfunction and ultimate demise is yet to be fully understood. Authors are invited to submit cutting-edge research and reviews on a broad range of topics related to these disorders, including but not limited to α -synuclein cell-to-cell transmission, gut-brain interactions in Parkinson's disease, and the interplay of α -synuclein with tau and other co-occurring protein pathologies. Collectively, the aim of this issue is to enhance scientific understanding of the complex interactions between protein aggregates and cellular machinery leading to neuron death, in order to highlight new potential avenues for disease treatments.

Guest Editor

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