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Alpha-Synuclein in Neurodegenerative Disorders: From Pathogenesis to Potential Therapies

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Message from the Guest Editors

Neurodegenerative disorders central to the pathology is the role of alpha-synuclein. The aggregation of alpha-synuclein has been implicated in neuronal dysfunction and death, contributing to the clinical manifestations of these diseases. Notably, alpha-synuclein pathology also connects with other neurodegenerative disorders, underscoring its significance as a target for research and therapeutic development.

This Special Issue aims to bring cutting-edge research and reviews that explore the multifaceted roles of alpha-synuclein in neurodegenerative disorders. We invite submissions that cover, but are not limited to:

- Molecular mechanisms of alpha-synuclein aggregation and toxicity;
- Genetic and environmental factors influencing synucleinopathies;
- Alpha-synuclein as a biomarker for early diagnosis and progression of neurodegenerative diseases;
- Therapeutic strategies targeting alpha-synuclein pathology;
- Comparative studies of alpha-synuclein's role across different neurodegenerative disorders;
- Advances in imaging and tracking alpha-synuclein in vivo.



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Special Issue



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