

Special Issue

Research Progress on the Pathogenesis, Diagnosis and Treatment of Parkinson Disease

Message from the Guest Editors

In recent years, Parkinson's disease (PD) research has experienced a potential paradigm shift. The emerging alpha-synuclein origin and connectome (SOC) model offers a novel perspective on how the pathology may initiate and progress in both the peripheral and central nervous systems. This new conceptualization presents fresh challenges and opportunities for tracking disease progression. Understanding diverse clinical presentations and effectively managing this heterogeneity remain significant challenges. The spectrum of Lewy body diseases, which include PD, Parkinson's disease dementia (PDD), and Dementia with Lewy bodies (DLBs), poses difficulties in both clinical and biological definitions. Furthermore, understanding how the disease initiates before significant brain damage occurs is crucial, with the preclinical and prodromal phases representing a critical window of opportunity, despite the current challenges in their identification.

We welcome papers that explore Lewy body-related disease models, disease progression, and associated clinical manifestations, including studies on preclinical and prodromal populations. Contributions of new treatment options are also encouraged

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Deadline for manuscript submissions

31 March 2026



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/215174

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