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Molecular Mechanism and Pathology of Parkinson's Disease

Guest Editor:

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Deadline for manuscript submissions:
closed (10 February 2024)

Message from the Guest Editor

Dear Colleagues,

Parkinson's disease (PD) is a progressive neurodegenerative disorder characterized by the progressive loss of a very specific type of neurons in the substantia nigra area (SNc), resulting in the depletion of dopamine in the striatum. The vast majority of PD cases are sporadic. However, several familial forms of PD-associated genes have been identified, including Synuclein, Parkin, Pink1, DJ-1 and LRRK2. In addition to these genes, there are several other genes and regulatory elements that potentiate the risk of developing PD in certain individuals.

We invite investigators to contribute original research and review articles that will stimulate the continuing efforts to understand the molecular pathways underlying dopaminergic neurodegeneration in sporadic or familial PD and the development of strategy to treat these conditions. We are also interested in articles describing the new model systems that recapitulate PD pathology. We also invite articles that cover early detection strategies and biomarkers for PD and its future direction.

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Editor-in-Chief

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Message from the Editor-in-Chief

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

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