

## Special Issue

# Molecular Mechanisms of Genetic Variants of Parkinson's Disease

### Message from the Guest Editors

Over the years, scientists have studied DNA from people with Parkinson's, comparing their genes. They discovered dozens of gene mutations linked to Parkinson's. These genes are now being researched and studied for what role they play in Parkinson's.

In 1996, the first report suggesting a possible relationship between Gaucher disease (GD) and Parkinson's disease (PD) was published in QJM. Subsequently, it has become apparent that the increased risk of PD also applies to carriers of GD (GBA1 carriers) and is greater in individuals with gene variations other than N370S. Understanding the underlying pathological processes leading to the development of this neurodegenerative disorder at the molecular and cellular levels in 3 to 15% of GBA1 carriers should allow for the development of specific interventions, as is already happening; the controversy between competing hypotheses of loss of function (haploinsufficiency) versus gain of function has translated into different therapeutic approaches.

Our Special Issue will accept papers covering all aspects of genetic variants of Parkinson's disease.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2025)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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