# **Special Issue**

# Genetics and Molecular Mechanisms of Parkinson's Disease

## Message from the Guest Editor

Our understanding of Parkinson's disease has evolved dramatically since the identification of genetic risk factors that offered novel insights into molecular mechanisms of the disease. From advanced human in vitro models to new animal models of Parkinson's disease, there is a growing appreciation of both cellular, sub-cellular and regional-specific dysregulation associated with protein misfolding, organellar impairments, metabolic and lipid dysregulation and neuroinflammation. This Special Issue invites submissions (original research articles, reviews, and opinions) that highlight recent developments in our understanding of the genetics and molecular mechanisms underlying the pathogenesis of Parkinson's disease, acknowledge current limitations and offer new perspectives for future developments in this field of research.

#### **Guest Editor**

Dr. Hugo Fernandes

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## Deadline for manuscript submissions

31 August 2025



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## Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in Biomolecules so far. We would be delighted to welcome you as one of our authors.

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