The Genetics of Parkinson's Diseases

Guest Editor:

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Deadline for manuscript submissions:
closed (30 December 2023)

Message from the Guest Editor

Dear Colleagues,

Parkinson's disease is a neurodegenerative disease characterized by the loss of dopaminergic neurons in the substantia nigra that project to the striatum. From the genetic point of view, it is a complex multifactorial disease in which genetic and environmental factors overlap.

Familial cases that respond to specific mutations are infrequent; another group of genes confers a risk of developing the disease forms of expression. However, the vast majority are sporadic without a specific associated gene, understanding that they act in a polygenic risk manner. It is in this group that most of the research has been concentrated in recent times.

The dominant, autosomal expression forms are SNCA, LRRK2, VPS35 and autosomal recessive expression forms such as PARK, DJ1, PINK1, ATP13A2; it should be considered that the central axis is the phenotype of parkinsonism, however, varies in terms of the frequency of association with other cognitive, dysautonomic or other symptoms and its presentation in time.

The aim to the Special Issue is to collect the articles about Parkinson's disease and genetics, and introduce recent findings.

mdpi.com/si/158855

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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