Special Issue

The Genetics of Parkinson's Diseases

Message from the Guest Editor

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.

Guest Editor

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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