Special Issue

New Approaches in the Exploration of Parkinson's Disease: 2nd Edition

Message from the Guest Editors

Parkinson's disease (PD) is a chronic, complex progressive neurodegenerative disease defined by loss of dopaminergic neurons in the substantia nigra pars compacta situated in the midbrain and associated with Lewy bodies, which are cytoplasmic inclusions of alpha-synuclein aggregates. Clinical diagnosis of PD is based primarily on motor symptoms, such as a slow progressive asymmetric resting tremor, rigidity, and bradykinesia. Although non-motor symptoms, which include olfactory deficits, constipation, autonomic dysfunction, depression, and REM sleep behavior disorder, usually precede the presence of motor deficits. Different factors may influence PD risk such as mitochondrial dysfunction, impaired autophagy, oxidative stress, protein aggregation, neuroinflammation, environmental and genetic status. The aim of this Special Issue is to better characterize the PD, covering aspects related to the motor and non-motor symptoms which negatively affect health-related quality of life. For this purpose, we invite colleagues to share their recent research on this topic. Original research articles, review articles as well as short communications, and case reports are invited.

Guest Editors

Dr. Carla Masala

Dr. Paolo Solla

Dr. Francesco Loy

Dr. Tommaso Ercoli

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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.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

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