

Special Issue

Neuroinflammation in Parkinson's Disease

Message from the Guest Editor

Parkinson's disease (PD) is a chronic neurodegenerative disease characterised by motor dysfunction due to a loss of dopaminergic neurons. Recent clinical, epidemiological and experimental evidence has implicated neuroinflammation in contributing to the neuronal cell death and progression of PD. This chronic neuroinflammatory response within the central nervous system is driven by the resident immune cells of the brain, the microglia and astrocytes; however, recent studies have identified an important contribution of the peripheral immune response to the CNS pathology in PD. This aim of this Special Issue is to gain a greater understanding of the complex molecular mechanisms that lead to chronic neuroinflammation in PD and how these contribute to the dopaminergic cell death in the brain. Both high-quality original research and review articles are welcome discussing the following: neuroinflammation in cell-based and animal models of PD, microglia and astrocytes in PD, the gut–brain axis, the role of the peripheral immune response, and the development of therapeutic strategies targeting neuroinflammation.

Guest Editor

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