

Special Issue

Mitochondrial Dysfunction and Oxidative Stress in Parkinson's Disease

Message from the Guest Editor

Parkinson's disease (PD) is one of the most common progressive neurodegenerative disorders of which the aetiology is still largely unknown. Although, mitochondrial dysfunction and oxidative stress (OS) are thought to be important pathophysiological factors in the disease progression. Mitochondrial dysfunction centred at complex I of the mitochondrial respiratory chain (MRC) has been well documented in the substantia nigra of patients with PD; although the cause of this impairment has yet to be fully elucidated, it may be the result of OS-induced oxidative damage to the MRC and mitochondrial DNA..... This Special Issue aims to highlight appropriate antioxidant therapeutic strategies that ameliorate OS in disease and target the mitochondria. This Special Issue will also focus on suitable low-invasive methods to assess evidence of OS in patients and their application to disease monitoring.

Guest Editor

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