



## Current and Experimental Treatments of Parkinson's Disease

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### Message from the Guest Editor

Dear Colleagues,

Parkinson's disease (PD) is the second most common age-related neurodegenerative disease. It is estimated that between seven and 10 million people suffer from PD worldwide. PD is caused by dopaminergic neuron death, and the first motor symptoms are present when over 80% of the nerve cells in the substantia nigra pars compacta have been lost.

To date, the majority of treatments developed for PD have targeted motor symptoms, and were designed to increase the level of dopamine in the brain. Since PD is an incurable disease, many clinical trials and research are focused on disease-modifying treatments. They target different proteins and pathways, some use viral vectors for gene delivery to the brain or delivery of the neurotrophic factors that could restore dopaminergic neuron function.

The philosophy of this Special Issue is describing the existing therapeutic possibilities for motor and non-motor symptoms of Parkinson's disease, as well as perspectives for future disease-modifying therapies.





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