



Parkinson's Disease

Special Issue on **Invertebrate Models in the Study of Parkinson's Disease**

CALL FOR PAPERS

The progressive neurodegenerative disease Parkinson's disease (PD) is characterized by a variety of motor and nonmotor symptoms. Many scientific approaches are being applied to study PD. However, the precise cellular and molecular mechanism(s) responsible for the neurodegeneration processes still remain unknown. Consequently, there is a need for improvement of current models and development of new experimental models. In contrast to vertebrate models (rodents and primates) many studies have also shown a number of benefits and the utility of invertebrate (flies and nematodes) models in PD investigation. The central nervous system of invertebrate animal has a rather small number of neuron and glia as compared to vertebrates; however, essential functional features such as neurotransmitter system are conserved.

Invertebrates are important alternative in the study of molecular mechanisms involved in this neurological disease, generally because of their genetic tractability, short life time, and the investigation of the molecular mechanisms.

We invite investigators to contribute original research articles as well as review articles that will help in understanding the compensations of invertebrate model in the study of PD. This special issue will cover a wide variety of emerging research and invertebrate models in the mechanism of PD.

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/pd/imspd/>.

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Manuscript Due

Friday, 27 November 2015

First Round of Reviews

Friday, 19 February 2016

Publication Date

Friday, 15 April 2016