

## Special Issue

# Novel Mechanistic Insights into Motor and Neuropsychiatric Symptoms of Parkinson's Disease

### Message from the Guest Editor

This topic evolved during studies of locus coeruleus—the major hub of norepinephrine projection to various brain regions, including the nigrostriatal system—which is strongly affected in Parkinson's disease. This Special Issue will focus on elucidation of the broad spectrum of underlying mechanisms of motor and neuropsychiatric symptoms of Parkinson's disease. The scope may also include recently developed treatment approaches for presented malfunctions in Parkinson's disease, for example, the use of imaging techniques, e.g., X-ray diffraction; quantitative susceptibility mapping (QSM); X-ray fluorescence microscopy (XFM); cell type-specific techniques, e.g., optogenetics; deep brain stimulation (DBS); stem cell-based neural organoid culture; protein interaction networks; single-cell sequencing; and others. We seek papers which deliver novel insights into the mechanisms of Parkinson's disease which contributing to the broad and versatile spectrum of observed motor and neuropsychiatric symptoms, such as involved pathways, neuronal circuits, regional cell death, neurotransmitter imbalance as well as aberrations in proteins and their interactions.

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### Guest Editor

Dr. Katharina Schmidt  
the Physiology department, Johns Hopkins School of Medicine

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### Deadline for manuscript submissions

closed (9 April 2021)



## Brain Sciences

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### Message from the Editor-in-Chief

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.

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### Editor-in-Chief

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