

## Special Issue

# Neuromelanin, Peripheral Melanin and Parkinson's Disease

### Message from the Guest Editors

Neuromelanin (NM), which appears as brown pigmented granules in the human central nervous system, is localized in brain regions such as the substantia nigra (SN) and the locus coeruleus (LC). Although it is reported that NM is structurally derived from DA and cysteinylDA, in contrast to DOPA for the cutaneous melanin, the biosynthesis and function of neuromelanin (NM) remain poorly understood. NM is known to accumulate in the human brain with aging. On the other hand, the degeneration of NM-containing dopaminergic neurons is a hallmark of Parkinson's disease (PD), a common, age-related neurodegenerative disease. Additionally, PD has been consistently linked to melanoma, the deadliest skin cancer arising from melanin-producing melanocytes. For this Special Issue of *IJMS*, we are looking for research articles or reviews that can deliver profound insights into the mechanism of NM production with respect to PD, the role of NM in PD, the development of non-invasive methods for detecting NM as a biomarker for PD, and the potential for targeting the NM pathway as a therapeutic strategy for PD.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2022)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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