







an Open Access Journal by MDPI

Recent Advances in α -Synuclein Neurobiology in Health and Disease

Guest Editors:

Dr. Maria Xilouri

Biomedical Research Foundation of the Academy of Athens (BRFAA), Athens, Greece

Dr. Evangelia Emmanouilidou

Department of Chemistry, National and Kapodistrian University of Athens, 157 84 Zografou, Greece

Dr. Alexia Polissidis

Biomedical Research Foundation of the Academy of Athens (BRFAA), Athens, Greece

Deadline for manuscript submissions:

closed (15 March 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to integrate the current knowledge regarding the physiological function of alpha-Synuclein and the mechanisms underlying its loss of function, in an attempt to pinpoint novel neuroprotective and ameliorative therapies to confront both the initiation and progression of disease processes.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- alpha-Synuclein physiological function: Focus at the synapse
- alpha-Synuclein strain heterogeneity and aggregation
- Interrelationship of α -Synuclein with protein degradation pathways
- In vitro and in vivo models of alpha-Synucleinopathy
- alpha-Synuclein in the extracellular space
- Therapeutic strategies targeting intracellular and extracellular alpha-Synuclein
- alpha-Synuclein in the periphery

We look forward to receiving your contributions.













an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Biochemistry*)

Contact Us