



Alpha-Synuclein in Neurodegeneration

Guest Editors:

Dr. Dean L. Pountney

School of Pharmacy and Medical
Sciences, Griffith University,
Southport, QLD 4222, Australia

Prof. Dr. Vladimir N. Uversky

Department of Molecular
Medicine, USF Health Byrd
Alzheimer's Research Institute,
Morsani College of Medicine,
University of South Florida, 12901
Bruce B. Downs Blvd, MDC07,
Tampa, FL 33612, USA

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

α -Synuclein plays a pivotal role in the development of multiple neurodegenerative diseases that are known collectively as synucleinopathies and include Parkinson's disease, dementia with Lewy bodies, and multiple system atrophy. For many years, research has focused on the formation of intracellular aggregates of protein as the principal causative link to neurodegeneration. Recent studies have revealed many diverse intra- and extracellular neurotoxic interactions, encompassing imbalance in proteostatic systems, metal ion dyshomeostasis, liquid–liquid phase separation, secretory pathway, and mitochondrial dynamics. In this Special Issue, we hope that investigators will join together in exploring and integrating the current knowledge to stimulate future inquiry towards the end of disease mitigation.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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.

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

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

Contact Us

*International Journal of Molecular
Sciences*
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
@IJMS_MDPI