

Special Issue

Molecular Mechanisms and Pathophysiology of Neuronal Aging

Message from the Guest Editors

Aging affects nearly all living organisms—including ourselves. Neurons are particularly affected by aging, as they do not self-renew and therefore must cope with various insults accumulating within or around them over the lifetime of an organism. However, the molecular mechanisms underlying the neuronal aging process still require detailed elucidation. Moreover, there is an ongoing debate about whether aging should be considered a disease-like state or a physiological process. We welcome contributions that highlight both perspectives. All model systems are of interest, including yeast, flies, worms, fish, rodents, and humans, and articles may focus on neurons or other cell types of the central and peripheral nervous system. Topics of interest include aging-induced transcriptomic, epigenetic and proteomic changes, the role of DNA damage or proteostasis in the aging process, and the function of mitochondria or other organelles, including membrane-less organelles. However, other relevant topics will be considered, as will contributions about neurodegenerative and neuronal disorders as they relate to the aging process.

Guest Editors

Prof. Dr. Dorothee Dormann

Dr. Sandra Schick

Dr. Kristina Endres

Deadline for manuscript submissions

closed (30 June 2023)



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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.

Editor-in-Chief

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