



Molecular Mechanisms and Pathophysiology of Neuronal Aging

Guest Editors:

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Deadline for manuscript
submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

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.





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Editor-in-Chief

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Message from the Editor-in-Chief

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