



Mechanisms and Novel Biomarkers Underlying Aging and Longevity

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Message from the Guest Editors

Dear Colleagues,

Aging is a complex biological process associated with a progressive time dependent decline in organismal function. This deterioration is the primary driver of the dominant age-associated human diseases, such as cardiovascular disorders, cancer, and neurodegeneration. Nowadays, the rapid increase in the aged population entails major health and socioeconomic problems, which challenge our society. Therefore, increasing our knowledge of the mechanisms underlying aging, as well as identification of reliable biomarkers of aging, will have a global impact. In the recent years, major progress has been made within the field of aging research, and this has resulted in the formulation of an increasing number of hallmarks of aging. Extensive studies of the various hallmarks and how they interconnect and contribute to the regulation of aging are ongoing.

We encourage scientists to send original research articles and reviews that will cover the molecular, cellular, and systemic mechanisms underpinning aging both in laboratory organisms and in human medicine. Interventions that target longevity and health-span will also be an area of great interest.





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