

# Special Issue

## Aging and Senescence 3.0

### Message from the Guest Editors

Aging is a natural process that occurs during the lifespan of an organism and involves cellular, physiological, and social changes. Cellular senescence refers to a phenomenon in which permanent cell growth arrest is induced, for example, as a response to excessive extracellular or intracellular stress. The primary aspect of this Special Issue is to supply a contribution of significant works in the field of “Aging and Senescence”, focusing on biological processes of cellular senescence and the demonstration that this physiological mechanism contributes to the onset of multiple diseases associated with aging. Topics of this Special Issue include, but are not limited to:

- Organismal aging and senescence
- The key role of cellular senescence in driving of aging
- Senescence-associated secretory phenotype (SASP) proteins and their contribution to physiological and pathological effects in organisms
- How genetic or pharmacological removal of senescent cells improves longevity and promotes a long health span
- Stem cells and aging

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2023)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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