



## Molecular Bases of Senescence

Guest Editors:

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Deadline for manuscript  
submissions:  
**closed (31 March 2021)**

### Message from the Guest Editors

This Special Issue aims to highlight the contributions of epigenetic and eugenic factors in establishing the longevity and life span of a living organism. In particular:

- the presence or not of a unique centre able to determine the senescence of the whole organism
- the molecular effects of environmental inductors (oxidative stress, pro-inflammatory factors, caloric supply, nutrients, etc.);
- the different mechanisms: (a) cellular (proteostasis, autophagy, inflammation, etc.); (b) signalling (NF- $\kappa$ B, TOR, sirtuins, etc.); and (c) the intercellular pathways (localized growth factors, miRNA, etc.) able to accelerate or inhibit the aging process; and
- the aspects related to the senescence of the muscular apparatus (sarcopenia) and alterations of the nervous system (degeneration/regeneration ratio, brain areas with different sensitivities, etc.) including those of cognitive and pathological interest as well as the Alzheimer's disease and Parkinson's disorder.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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