

## Special Issue

# Molecular Bases of Senescence

### 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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### Guest Editors

Prof. Dr. Giorgio Fanò-Illic

Prof. Dr. Patrizia Mecocci

Prof. Dr. Stefania Fulle

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### Deadline for manuscript submissions

closed (31 March 2021)



## International Journal of Molecular Sciences

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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.

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### Editor-in-Chief

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