



Aging and Senescence 3.0

Guest Editors:

Prof. Dr. Giovanni Di Bernardo

Department of Experimental
Medicine, Luigi Vanvitelli
Campania University, 80138
Naples, Italy

Prof. Dr. Umberto Galderisi

Department of Experimental
Medicine, Luigi Vanvitelli
Campania University, 80138
Naples, Italy

Deadline for manuscript
submissions:
closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI