

## Special Issue

# The Role of Extracellular Vesicles in Aging and Disease

### Message from the Guest Editors

As cells accumulate damage over time, they respond by individual cell fate decisions that disrupt tissue homeostasis, thus leading to organ dysfunction and increased morbidity. Extracellular vesicles (EVs) are known to be able to modulate the aging process by restoring the microenvironment and promoting tissue regeneration. Thus, EVs are promising therapeutic tools, especially in the field of aging and diseases. In this Special Issue, we encourage scientists to contribute original articles or reviews describing EV sources, collection and purification methods, as well as EV synthetic designs, such as drug delivery carriers. Since EV bioactive cargo (proteins, miRNA, lipids) is altered depending on the physio-pathological conditions, we are also looking for studies on EVs' functional effect on target cells and the underlying mechanisms or signaling pathways that are involved in the process. Finally, we will also welcome research on EV applications for expanding health span, as well as EV use as early biomarkers for disease detection.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 January 2023)



## International Journal of Molecular Sciences

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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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