



## Cellular Senescence in Physiological and Pathological Processes

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### Message from the Guest Editors

Senescence is the permanent cell cycle arrest that occurs in response to extracellular or intracellular stress. It determines the loss of cellular functions over time. A senescent cell loses its original function and acquires new activities. Numerous studies correlate cellular senescence to aging, as it limits the proliferation of damaged cells largely contributing to the reduction in tissue functions and renewal. Senescence has also been indicated as a major cause of age-related diseases. Recent evidence has shown that pharmacological ablation of senescent cells improves longevity and promotes health span.

This Special issue welcomes original research and critical review on the role of cellular senescence in physiological and pathological processes. Topics of this Special Issue include but are not limited to regulatory pathways of senescence; senescence and stem cells; links between cellular senescence and aging; novel therapeutic treatment to remove senescent cells; and senescence and cancer.





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## Message from the Editor-in-Chief

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