# **Special Issue**

# Cellular Senescence in Age-Related Diseases: Pathophysiology and Therapeutic Approaches

# Message from the Guest Editor

As cellular senescence, a central hallmark of aging. plays an important role in age-related diseases including diabetes, cardiovascular disease, cancer, and neurodegenerative diseases, interventions targeting senescence are potential therapies for these diseases. The finding of an increased life span in murine models after the removal of senescent cells underscored the utility of targeting senescence for therapeutic benefits. Several therapeutic approaches have been developed. These include the development of drugs that selectively eliminate senescent cells, known as senolytics, the development of drugs that modulate the SASP, known as senomorphics, and the development of drugs that revert senescence to allow senescent cells to enter the cell cycle, known as senoreverters. This Special Issue welcomes articles that clarify the molecular and physiological properties of senescent cells, shed light on the role of cellular senescence in the pathophysiology of age-related diseases, or describe the development of novel therapeutic approaches targeting cellular senescence.

#### **Guest Editor**

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## Deadline for manuscript submissions

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Biomedicines (ISSN 2227-9059) is an open access iournal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

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