

Special Issue

Mechanisms of Cellular Senescence and Inflammation in Cardiovascular Disease

Message from the Guest Editor

Cellular senescence is a state where cells stop dividing and release inflammatory molecules known as the senescence-associated secretory phenotype (SASP). In the cardiovascular system, the buildup of senescent cells contributes to blood vessel damage, atherosclerosis, and heart failure. These cells promote chronic inflammation, or inflammaging, which in turn triggers more senescence. This cycle of senescence and inflammation accelerates cardiovascular disease progression. Targeting senescent cells and reducing inflammation are promising strategies for preventing age-related heart conditions. We welcome the submission of reviews and research papers in this area.

Guest Editor

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Biomedicines (ISSN 2227-9059) is an open access journal 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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