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Molecular Mechanisms to Target Cellular Senescence in Aging and Disease

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Message from the Collection Editors

Dear Colleagues,

The term cellular senescence indicates a complex cellular response to a variety of stressors that results in the permanent withdrawal of potentially damaged cells from the cell cycle. Further, cellular senescence is associated with a modification of the secretome, promoting extracellular matrix remodeling, recruitment of inflammatory cells, angiogenesis, cell de-differentiation, and induction of cellular senescence in a paracrine fashion.

This Topical Collection aims to collect a series of original research and review articles addressing the exciting and emerging field of cellular senescence in aging and age-related pathologies. Suggested potential topics may be: stem cell senescence in age-related pathologies; mechanisms of proteostasis failure in chronic pathologies; mechanisms of immune surveillance failure in aging and disease; senolytic and rejuvenating therapies; exosomes as therapeutic or diagnostic tools; cell senescence and cancer; cell senescence and infectious diseases, as well as new models and therapeutic tools to target senescence in aging.

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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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