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Molecular Studies of Aging and Anti-Aging Strategies in Animals and Humans

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Deadline for manuscript submissions:
20 December 2024

Message from the Guest Editor

Aging is a natural process that every individual undergoes as they progress through life. Cellular aging and cell aging are terms often used interchangeably to describe the process of deterioration and functional decline in cells as they age. However, there is a subtle distinction between the two concepts. Cellular aging refers to the overall process of aging at the cellular level, encompassing various molecular and physiological changes that occur in cells over time. On the other hand, cell aging refers explicitly to the state or condition of individual cells as they undergo aging processes. Differentiation is important because while cellular aging may involve a wide range of changes that affect multiple cells within an organism, cell aging focuses on the specific characteristics and changes within an individual cell as it ages. The concept of anti-aging refers to efforts and interventions to slow down or reverse the aging process. For this Special Issue, original and review articles on the aforementioned topics that are relevant to humans and animals are welcome.

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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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