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Autophagy Meets Aging 2024

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Message from the Guest Editors

Aging is marked by multiple biological disarrangements that predispose older individuals to increased vulnerability to the development of chronic diseases and functional decline.

Declines in autophagy and cellular quality control systems are advocated as being among pillars of the aging process by contributing to the accrual of intracellular “waste”. Organelle-specific forms of autophagy have been identified. Due to the pro-inflammatory nature of some intracellular components, the coordinated activity of these recycling machinery is especially relevant for limiting inflamm-aging through efficient housekeeping.

This Special Issue aims to gather contributions on age-related changes in autophagy and other cellular quality control processes from different, yet complementary, points of view, by convening clinicians and basic researchers working in the field of biogerontology in humans and pre-clinical models. If the molecular determinants of these changes were to be unveiled, innovative anti-aging remedies and personalized interventions targeting cellular quality control could be developed to extend both health- and lifespan.



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Special Issue



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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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