Special Issue

The Autophagic Process in Human Physiology and Pathogenesis

Message from the Guest Editors

Autophagy, a conserved “self-eating” recycling process, is enticing remarkable research efforts, especially in recent years. Although it was initially considered a physiological process, useful for the turnover of proteins and organelles, many new data are shedding light on molecular details involved in the autophagic process, highlighting how its perturbation can lead to the onset of various human diseases, including cancer, neurodegeneration, metabolic disorders and infections. Refining knowledge regarding the autophagic signaling pathway will help to better describe the pathogenesis of these diseases, and the modulation of this crucial degradative process is regarded as a new therapeutic opportunity for future treatments. This Special Issue aims to summarize the current knowledge on the central role that the autophagic process plays in maintaining physiological conditions and how its perturbation could be harmful. Potential topics include but are not limited to tissue homeostasis, metabolism, crosstalk between autophagy and other signaling pathways, proliferation, and selective forms of autophagy. We look forward to your contributions.

Guest Editors

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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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