

Special Issue

Autophagy and Chronic Non Communicable Degenerative Diseases

Message from the Guest Editors

Autophagy is a major cellular homeostatic system, which acts as a pro-survival mechanism under conditions of stress, maintaining cellular integrity by regenerating metabolic precursors and clearing subcellular debris.

The repertoire of routine housekeeping functions exerted by autophagy includes the elimination of defective proteins and damaged organelles, the prevention of abnormal protein aggregates accumulation, which are linked to neurodegenerative diseases and other clinically relevant conditions, as well as the removal of intracellular pathogens.

In view of the key role of such functions in maintaining basal, cellular and tissue homeostasis, as well as developmental regulation in higher organisms, dysregulation of autophagy has been widely implicated in several pathophysiological processes, including cancer, metabolic and neurodegenerative disorders, cardiovascular and immune-mediated diseases and aging.

The aim of this special issue is to collect the current knowledge on autophagy and chronic non communicable degenerative diseases, we will welcome and take in consideration both review and original research articles on this specific topic.

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2021)



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About the Journal

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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