Special Issue

Selective Autophagy, Master Regulation of Cells, and Organismal Homeostasis: The Latest Advances and Perspectives

Message from the Guest Editor

Macroautophagy (autophagy) is an essential cellular homeostasis process that degrades cellular contents in response to various cellular and environmental stresses. This catabolic process serves to degrade cytoplasmic contents ranging from abnormal proteins to damaged organelles via the lysosomal system. Since autophagy is an evolutionarily conserved fundamental homeostasis program, dysfunction or dysregulation of autophagy is closely linked to a wide range of human diseases, including neurodegeneration, muscle diseases, cancer, infection, immunological disorders, metabolic diseases, and aging. In addition to non-selective bulk degradation, recent work has indicated that autophagy targets cargo through selective degradation called selective autophagy (. This capability makes selective autophagy a major process in maintaining cellular homeostasis under specific pathological conditions. We encourage you to contribute to this Special Issue of '*Cells*' and submit research articles, review articles, and perspective and opinion articles that are dedicated to autophagy and selective autophagy. For further information, please visit the Special Issue website.

Guest Editor

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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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