

Special Issue

Regulation of Autophagic Flux for Anti-cancer Therapy

Message from the Guest Editor

Autophagy is a naturally occurring cellular catastrophic process induced by various cellular stresses, linked to programmed cell death. Cancer cells exposed to anti-cancer drugs employ autophagy for survival. Autophagy is involved in immune evasion of cancer cells by immune checkpoint molecules such as PD-L1 and PD1. Immune checkpoint inhibitor therapy has shown clinical benefits in treating cancers. Anti-cancer drug resistance is closely related with enhanced angiogenic, tumorigenic, and metastatic potential. Deregulation of autophagy occurs in cancers, inflammatory diseases, and metabolic diseases. Autophagic flux regulates the responses to anti-cancer drugs. A signaling pathway such as EGFR/RAS/MAPK is involved in the induction of autophagy. Autophagic flux thus can serve as a target for the development of therapy against cancers and other various inflammatory diseases.

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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