Special Issue

Autophagy and Inflammation in Chronic Disease

Message from the Guest Editors

Autophagy is a degradative process that controls metabolism, stress resistance and specific functions of mammalian cells. In immune defense, autophagy participates in the breakdown of pathogens, control of intracellular and intercellular inflammatory signaling, and antigen presentation. The aim of this Special Issue is to publish new insights into roles of autophagy in chronic inflammatory diseases. The emphasis of the articles will be on cellular metabolism, intra- and intercellular signaling, cell growth, differentiation and senescence. Studies utilizing well defined mouse models of diseases, cells isolated from clinical samples, and combinations thereof are of particular interest. Manuscripts focusing on cellular processes in organ-specific or systemic inflammatory diseases are welcome. In particular, we invite reports on molecular mechanisms by which autophagy affects inflammation and on molecular effects of inflammation on autophagy in non-immune cells. Both original research articles and reviews are welcome in this Special Issue. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2023)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).