

Special Issue

Crosstalk Between Autophagy, Apoptosis and Inflammation

Message from the Guest Editors

Autophagy and **apoptosis** represent two fundamental pathophysiological mechanisms of cell fate regulation. Several signaling pathways are intimately involved in the regulation of **autophagy, apoptosis and inflammatory responses** under both physiological and pathological conditions, and these processes are closely interconnected through complex crosstalk mechanisms. Recent studies have clarified the molecules and signaling pathways involved in this crosstalk, identifying key regulatory proteins, lipid signaling pathways and their functional interactions. These findings highlight the need to further investigate how these pathways intersect to control cell fate. This Special Issue aims to provide an updated overview of the signaling networks underlying the **autophagy–apoptosis–inflammation** framework with a primary focus on molecular mechanisms. An additional purpose of this Special Issue is to investigate whether the relationship between autophagy and apoptosis **impacts the response to therapy**. Contributions addressing **pharmacological modulation** of these pathways are also welcome.

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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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