Special Issue

Autophagy Lysosomal Pathway in Ocular Physiology and Pathophysiology

Message from the Guest Editor

Autophagy is a dynamic catabolic process by which cytosolic material, including organelles, proteins, and pathogens, are delivered to the lysosome for degradation by the action of lysosomal hydrolases. Autophagy occurs at basal levels in all cell types and is upregulated under stress conditions, as part of the adaptive cellular response to stress, providing protective functions during tissue injury. Dysregulation of the autophagy lysosomal pathway, either by overactivation or deficiency, is associated with an array of diseases and disorders. In the eye, autophagy has been shown to play a key role in an array of physiological functions, from development to aging in all ocular tissues, including lens, retina, outflow pathway, and cornea. This Special Issue of Cells is for contributions on autophagy and lysosomal pathways in the context of ocular physiology and pathophysiology. You are invited to submit your contributions in the form of original research articles, reviews, or shorter perspective articles. Relevant observations made at the cellular level could come from the following areas: autophagy lysosomes eye ocular diseases

Guest Editor

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Deadline for manuscript submissions

closed (31 July 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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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).