Special Issue

Autophagy in Tissue Injury and Homeostasis

Message from the Guest Editor

Autophagy ("auto-digestion"), a lysosome-dependent process, degrades and turnovers damaged or senescent organelles and proteins. Autophagy is a highly-regulated process, which impacts several vital cellular responses, including inflammation, cell death, energy metabolism and organelles (mitochondria and others) homeostasis. Although the role of autophagy in the maintenance of tissue homeostasis is well documented, its role during tissue injury and regeneration is still emerging. In this Special Issue on "Autophagy in Tissue Injury and Homeostasis", we focus on the roles of autophagy in systemic, specific tissue (organs and cells) injury or organ failure associated with sepsis, inflammation, metabolic disorder, toxic chemicals, ischemic-reperfusion hypoxic oxidative stress, tissue fibrosis, trauma, and nutrient starvation. The knowledge gained from the identification and characterization of new molecular mechanisms will shed lights on biomedical applications for tissue protection through modulation of autophagy.

Guest Editor

Dr. Pei-Hui Lin

Department of Internal Medicine, Wexner Medical Center, The Ohio State University, Columbus, OH 43210, USA

Deadline for manuscript submissions

closed (31 December 2018)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/15127

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/journal/cells

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.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny
Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch
Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

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).