Special Issue

Autophagy in Age-Related Human Diseases

Message from the Guest Editor

Increasingly, the process of autophagy ("self-eating") is attracting tremendous research efforts. Exciting new data are shedding light on the molecular details of the process of autophagy and its pertubation in human diseases. Moreover, it is becoming evident that autophagy activity and capacity decrease during the aging process, giving rise to the onset of a great variety of age-related diseases. Strikingly, autophagy is also essential to the development of certain diseases (e.g. tumor progression). Hence, the modulation of autophagy is regarded as a new therapeutic opportunity for the future treatment of many pathological conditions. Further, targeting autophagy during the aging process may in fact prove to effectively prevent the onset of age-related human diseases. However, specific autophagy modulators have not yet been developed and tested. This special issue aims to summarize the current knowledge on the role of autophagy in the process of aging and in age-related human diseases such as neurodegeneration and cancer. We look forward to your contributions. Prof. Dr. Tassula Proikas-Ce

Guest Editor

Prof. Dr. Tassula Proikas-Cezanne

Department of Molecular Biology, Interfaculty Institute of Cell Biology, Eberhard Karls University Tuebingen, Tuebingen, Germany

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/11941

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

MDPI

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).