Special Issue

Roles and Mechanisms of Ubiquitin Ligases (E3) and Deubiquitinases (DUBs)

Message from the Guest Editors

Ubiquitin is a crucial post-translational protein, widely distributed in eukaryotic cells, which dynamically regulates proteins related to various cellular activities, such as signal transduction, cell cycles, inflammatory responses, autophagy, and apoptosis. It is worth noting that bacterial effector proteins would also target the host ubiquitin system, often acting as ubiquitin ligases and deubiquitinases. Understanding ubiquitination and deubiquitination is an important topic. However, the efficient and selective targeting of ubiquitin-proteasome remains a challenge. In this Special Issue of *Cells*, we would like to invite contributions addressing the roles and underlying mechanisms of ubiquitin ligases (E3) and deubiquitinases, and to offer new insights into this interesting and important research field. Original research papers, review articles, and novel methods that cover these topics or similar topics are welcome.

Guest Editors

Dr. Minsoo Kim

Dr. Tsunehiro Mizushima

Dr. Hideki Yashiroda

Deadline for manuscript submissions

closed (31 January 2025)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/174177

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).