

Special Issue

PTM Rewired Protein Network in Diseases

Message from the Guest Editors

Protein–protein interactions (PPIs) play a central role in almost all cellular processes. However, protein interactions driven by posttranslational modifications (PTMs) such as phosphorylation, which comprises a significant part of the PPI network, have proven difficult to decipher systematically. Technological advances such as Apex, TurbolD, and Pup-it were developed recently. Tagged molecules that interact with baits can then be enriched and identified by mass spectrometry. In combination with newly developed superbinders and prediction methods, PTM regulated dynamic protein networks were identified in depth, which enabled the elucidation of an incredibly complex PPI network within the cell. This Special Issue on “PTM Rewired Protein Network in Diseases” aims to introduce new technologies used in protein network identification and to present a selection of their many important contributions to the molecular understanding of diseases. We look forward to your contributions.

Guest Editors

Prof. Dr. Huadong Liu

School of Life Science, Xian Jiaotong University, Xi'an 710049, China

Prof. Dr. Shawn Li

Department of Biochemistry, Western University, London, ON, Canada

Deadline for manuscript submissions

closed (20 January 2023)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 9.9
Indexed in PubMed



mdpi.com/si/130127

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

[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)





Cells

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 9.9
Indexed in PubMed



[mdpi.com/journal/
cells](https://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

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church 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, CAPus / 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 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).