

## Special Issue

# Glycosylation and Glycoproteins in Human Disease

### Message from the Guest Editors

**Glycosylation, the enzymatic addition of glycans to proteins, lipids, and RNAs, is a fundamental post-translational modification with profound implications for human health and disease.**

**Glycoproteins, the end products of this modification, play essential roles in immune regulation, cell signaling, and protein stability. Aberrant glycosylation has been increasingly recognized as a hallmark of numerous pathological conditions, including cancer, autoimmune disorders, congenital metabolic diseases, infectious diseases, and neurodegeneration.**

**By bringing together interdisciplinary studies from glycobiology, molecular medicine, and biotechnology, this issue seeks to advance our understanding of how glycosylation contributes to human disease and how it can be leveraged for clinical benefit. Researchers are invited to submit original research articles, reviews, and perspectives that reflect current progress and emerging trends in this rapidly evolving field.**

**Join us in shaping this timely and impactful collection that will serve as a valuable resource for scientists and clinicians working at the interface of glycobiology and human health.**

---

### Guest Editors

#### **Dr. Mana Mukherjee**

Cell Biochemistry Section, Laboratory of Cell and Molecular Biology, NIDDK, NIH, Bethesda, MD, USA

#### **Prof. Dr. Bingmei Fu**

Department of Biomedical Engineering, The City College of the City University of New York, New York, NY, USA

---

### Deadline for manuscript submissions

**30 November 2026**



## Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/255418](https://mdpi.com/si/255418)

*Cells*

Editorial Office  
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 5.2  
CiteScore 10.5  
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

**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, CAPIus / 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 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).