

## Special Issue

# Novel Therapies and Biomarkers for Rare Diseases

### Message from the Guest Editor

This Special Issue invites high-quality original research and review articles focused on advancing cellular and molecular understanding of rare diseases through cutting-edge therapeutic and diagnostic innovations. We encourage submissions that explore innovative therapeutic approaches including small molecules, biologics, gene therapies, cell-based interventions, and novel biomarker discovery using omics approaches.

Contributions that investigate fundamental cellular processes, such as signaling, metabolism, autophagy, apoptosis, immunology, stem cell biology, and neurodegeneration, in the context of rare diseases and shed light on therapeutic strategies are highly welcome. Studies using genomics, transcriptomics, proteomics, and metabolomics to identify novel disease biomarkers and therapeutic targets are especially encouraged.

By focusing on mechanisms such as genetic mutations, cellular dysfunction, and systemic effects, this Special Issue will also bridge basic and translational research by highlighting new directions in rare disease therapy and diagnostics, fostering collaborations across disciplines.

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### Guest Editor

Dr. Reena Kartha  
Center for Orphan Drug Research, College of Pharmacy, University of Minnesota, Minneapolis, MN, USA

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### Deadline for manuscript submissions

closed (30 April 2026)



## Cells

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## 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.

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### Editors-in-Chief

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Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,  
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Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,  
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### 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 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).