

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.

Guest Editor

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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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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).