

Special Issue

Molecular Insights into Inherited Metabolic Disorders

Message from the Guest Editor

We are pleased to announce this Special Issue focused on the molecular pathogenesis of **inherited metabolic disorders** (IMDs). These disorders, caused by defects in metabolic enzymes, transporters, or regulatory proteins, provide unique insights into fundamental biological processes and their dysregulation in disease states. This Special Issue seeks to assemble high-quality research articles elucidating the molecular and cellular mechanisms underlying IMD pathogenesis. We welcome original research articles and comprehensive reviews addressing topics including, but not limited, to the following:

- Enzyme kinetics and catalytic mechanisms;
- Protein folding and stability defects;
- Metabolic flux analysis and metabolic network modeling;
- Organelle-specific dysfunction (lysosomes, peroxisomes, mitochondria);
- Cellular stress responses and metabolic adaptation;
- Molecular biomarkers of disease progression;
- Novel therapeutic strategies targeting molecular defects.

We look forward to your valuable contributions to advance our understanding of these complex disorders at molecular level.

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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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).