

## Special Issue

# Aquaporins at the Crossroads of Human Health and Disease

### Message from the Guest Editor

Aquaporins (AQPs) are a family of channel proteins that facilitate the movement of water and small solutes, including glycerol, ammonia, and hydrogen peroxide across biological membranes. AQPs have emerged as crucial regulators in both human physiology and pathophysiology.

This Special Issue of *Cells* seeks to gather original research articles and comprehensive reviews that advance our understanding of AQPs in health and disease. We welcome contributions exploring their structural and functional diversity, regulatory mechanisms, and roles in organ-specific pathophysiology. Interest will be also given to studies investigating AQPs as biomarkers or therapeutic targets, as well as those employing innovative methodologies such as artificial intelligence, bioinformatics, and high-resolution imaging to dissect AQP function, distribution, and modulation. We invite you to contribute to this interdisciplinary collection.

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### Guest Editor

Dr. Anna Patrizia Gena

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### Deadline for manuscript submissions

31 July 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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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).