



cells



an Open Access Journal by MDPI

## Aquaporins

Guest Editor:

**Prof. Kenichi Ishibashi**

Department of Medical  
Physiology, School of Pharmacy,  
Meiji Pharmaceutical University,  
2-522-1 Noshio, Kiyose, Tokyo  
204-8588, Japan

Deadline for manuscript  
submissions:

**closed (31 December 2018)**

### Message from the Guest Editor

Dear Colleagues,

Aquaporins are ancient channels with a highly conserved internal-repeat structure, which primarily transport water as well as other small solutes such as glycerol and superoxide, or even gases. They are widely studied in biology and mostly function to adapt to the environment, especially water stress. They also play important roles in the field of agriculture and medicine.

This Special Issue welcomes original research and review papers addressing every aspect of aquaporins, including function and regulation in biology and medicine. Hopefully, interdisciplinary applications of the knowledge will stimulate future research.

Prof. Dr. Kenichi Ishibashi  
*Guest Editor*



[mdpi.com/si/14864](https://mdpi.com/si/14864)

# Special Issue



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Alexander E.  
Kalyuzhny**

Neuroscience, UMN Twin Cities,  
6-145 Jackson Hall, 321 Church St  
SE, Minneapolis, MN 55455, USA

**Prof. Dr. Cord Brakebusch**

Biotech Research & Innovation  
Centre, The University of  
Copenhagen, Copenhagen,  
Denmark

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (*General Biochemistry, Genetics and Molecular Biology*)

## Contact Us

*Cells* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](https://twitter.com/Cells_MDPI)