

Special Issue

Perspectives on the Evolution of Aquaporin Superfamily

Message from the Guest Editor

Aquaporin (AQP) belongs to an ancient channel family with a highly conserved structure stemming from bacteria. Genome projects have accumulated many AQP-like sequences containing a conserved signature sequence for an AQP superfamily and a pair of NPA (Asn-Pro-Ala) boxes, even with an overall homology of less than 30%. The analysis of their primary sequences is instrumental to speculate their function and adaptive roles in altered environments. Moreover, evolutionary viewpoints of AQPs will shed light on the distribution and regulation of AQPs. Accordingly, we are excited to recruit a repertoire of AQPs from a variety of organisms, which is expected to expand the AQP research field. We welcome manuscripts of any kind on aspects of evolution and regulation of AQPs from this perspective. For further reading, please visit the [Special Issue website](#).

Guest Editor

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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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