

Special Issue

Channels and Transporters in Cells and Tissues

Message from the Guest Editor

Channels and transporters are membrane proteins that mediate the traffic of water, ions, and solutes across biological membranes and are crucial to maintaining homeostasis assuring cell survival upon intracellular or environmental stress. This Special Issue “Channels and transporters in cells and tissues” will focus on the function and regulation of membrane transport proteins across all living organisms, including their potential as drug targets. Authors are invited to submit original research and review papers addressing the topic of this Special Issue. Keywords

- Membrane transport and regulation
- Structure–function relationship
- Water, ions, and solutes transport
- Membrane permeability
- Osmoregulation
- Chemical modulation
- Therapeutic application
- Drug discovery
- Disease
- Prokaryotic and eukaryotic cells

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2019)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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