

Special Issue

Ion Channels in Cancer: From Molecular Mechanisms to Therapeutic Targets

Message from the Guest Editor

This Special Issue invites original research articles, reviews, and perspectives focused on the multifaceted roles of ion channels in cancer. Topics of interest include, but are not limited to, the following:

- Mechanisms underlying ion channel dysregulation in cancer initiation and progression.
- Ion channel involvement in metastasis and tumor-stroma interactions.
- Channel-mediated crosstalk with immune cells and contributions to therapeutic resistance.
- Novel approaches to targeting ion channels for diagnostics and treatment.
- Computational and experimental models for studying ion channel function in oncogenesis.

We welcome contributions from diverse disciplines aiming to advance our understanding of ion channels in cancer and accelerate the development of innovative, precision-based therapies. Join us in shaping the future of this rapidly evolving field. Submit your manuscript to contribute to this rapidly advancing field and help translate mechanistic insights into clinical breakthroughs.

Guest Editor

Dr. Saverio Gentile
Biochemistry and Molecular Biology, Medical University of South Carolina, Charleston, SC, USA

Deadline for manuscript submissions

closed (27 February 2026)



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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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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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Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,
Minneapolis, MN 55455, USA

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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).