Special Issue

Ion Channels in Cancer: An Update

Message from the Guest Editors

Membrane voltages have long been observed to contribute to intracellular mitogenic signaling and participate in cell proliferation, survival, and apoptosis. In the brain, the interplay between action potentials and mitogenic signaling is central to long-term potentiation and memory. Pathologically, cancer cells are more depolarized than their normal counterparts. Indeed, targeting ion channels has been suggested as a novel strategy to treat cancer. However, mechanisms underlying the correlation between ion channels and cancer signaling have been largely elusive. This Special Issue focuses on the potential molecular mechanisms mediating how ion channels communicate with intracellular mitogenic cascades and impact cancer signaling.

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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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