# **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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## Deadline for manuscript submissions

closed (31 July 2025)



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