

Special Issue

Small Molecule Inhibitors: A New Era in Cancer Treatment

Message from the Guest Editors

This Special Issue highlights the transformative role of targeted small-molecule agents in reshaping modern oncology. Small-molecule inhibitors have emerged at the forefront of this shift, offering the ability to selectively disrupt critical molecular pathways that drive tumor growth, survival, angiogenesis, and metastasis.

What sets this class of agents apart is not only their direct antitumor effects but also their evolving role in modulating the immune landscape. Recent advances reveal that small-molecule inhibitors can reprogram the tumor microenvironment, enhance antigen presentation, and overcome immune evasion mechanisms, making them powerful partners in combination with immunotherapies. This Special Issue brings together cutting-edge research and expert reviews on how these agents are expanding therapeutic horizons—from bench to bedside.

By showcasing breakthroughs, challenges, and future directions, this Special Issue will provide readers with a comprehensive understanding of how small-molecule inhibitors are setting a stage for a new era of precision oncology and immune-responsive cancer therapies.

Guest Editors

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Deadline for manuscript submissions

closed (25 February 2026)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/250276

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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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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).