

Special Issue

From Bench to Bedside: Animal Models and Molecular Mechanisms in Cancer Therapeutics

Message from the Guest Editor

This Special Issue will focus on the critical role of animal models in advancing cancer research and our understanding of the molecular and cellular mechanisms underlying cancer therapeutic development, from bench to bedside. Key topics include the role of specific signaling pathways in tumorigenesis, the influence of the tumor microenvironment on therapy response, and the development of resistance mechanisms. Furthermore, this Special Issue will explore advances in personalized cancer treatment, with a focus on how molecular profiles from animal models can inform clinical decision-making, improving patient outcomes.

Guest Editor

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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).