

Special Issue

Molecular Mechanisms of Tumor Pathogenesis

Message from the Guest Editors

The molecular mechanisms underlying tumor initiation and progression are complex and multifaceted, involving a wide range of genetic, epigenetic and environmental factors. In this field, recent advances in molecular biology technologies have led to the identification of the key molecular drivers of tumorigenesis and cancer progression, paving the way for the development of personalized medicine. Therefore, understanding these molecular mechanisms is mandatory to identify potential therapeutic targets, improving the management and clinical outcome of cancer patients. This Special Issue aims to provide an overview of the recent advances into the molecular mechanisms involved in tumor pathogenesis, providing a new starting point for the development of new cancer treatment options. This Special Issue will contain original research articles, including *in silico* studies, and *in vitro* and *in vivo* experiments, as well as literature reviews.

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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 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).