Topical Collection

MicroRNAs in Cancer: From Molecular Mechanisms to Applications in Diagnostic and Therapeutic Opportunities

Message from the Collection Editor

MicroRNAs (miRNAs) are small noncoding RNAs that play important roles in gene regulation by repressing translation or directing sequence-specific degradation of complementary mRNA or inducing gene expression via binding to promoter sequences, therefore regulating cell growth and development. MiRNAs are also known to regulate tumor progression. miRNAs have gained significant attention over the last decade due to their great potential in the development of the next-generation approaches to fight against cancer. This Topical Collection of *Cells* invites investigators to contribute original research articles, reviews, and perspectives focusing on recent advances in cancer research with miRNAs (e.g., therapy and biomarkers for diagnosis). Manuscripts solely describing bioinformatics or in silico computational analysis of public databases that are not accompanied by biological validation will not be considered. We are looking for contributions that primarily focus on the use of miRNAs for various types of cancer, including rarer varieties.

Collection 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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Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

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).