Topical Collection

Tumor Metabolism and Therapy

Message from the Collection Editors

As we know, tumor cells have unique metabolism characteristics from normal cells, namely, that they highly rely on aerobic glycolysis to supply energy and a carbon source for survival and growth. This phenomenon is called the Warburg effect, which is associated with radio-resistance and chemo-resistance by generating a chemical reduction milieu (radio-resistance) and extracellular acid microenvironment (immunosuppression), activating DNA damage repair, triggering exosome release (expressing resistance protein), etc. In this case, the metabolism-based therapy will become precision and promising, such as glycolytic inhibitors and other energy inhibitors. However, many elaborate mechanisms related to tumor metabolism changes have yet to be solved. Therefore, this Topical Collection focuses on the following items:(1) tumor metabolism mechanisms, (2) tumor resistance, (3) and metabolism-based therapy. We welcome the submission of research and review papers from all over the world.

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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 17 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).