Special Issue

Decoding Cancer Metabolism: Recent Insights and Future Directions

Message from the Guest Editors

A major hallmark of cancer is the dysregulation of cellular energetics. Recent advances in the field of cancer metabolism have revealed critical insights into how cancer cells change their metabolic pathways to support rapid growth and survival. Interestingly, different types of cancer cells rely on different metabolic pathways and rewire their metabolism accordingly to thrive in stress conditions. Furthermore, the interplay between metabolism and the tumor microenvironment has become a significant focus, highlighting how cancer cells manipulate the surrounding cells and nutrients to their advantage. The purpose of this Issue is to highlight the recent findings in cancer metabolism, including research papers and reviews related to the specific interactions between cancer cells and immune cells or other microenvironment cells. Furthermore, how cancer initiation, progression, and metastasis are linked with physiological metabolism alteration will be discussed, along with targeting cancer cell metabolism as a vulnerability to induce cell death and novel mechanisms on how different proteins/molecules regulate cancer metabolism.

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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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