

Special Issue

Cell Methods: Molecular Events in the Progression of Human Tumor Cell Lines

Message from the Guest Editor

It is important to know how tumors form, why they persist, and the reasons underlying their spread through the body since those steps will have an impact on the prognosis of cancer patients. The uncontrolled growth exhibited by cancer cells results in accumulated abnormalities in multiple cell regulatory systems and is reflected in several aspects of cell behavior that distinguish cancer cells from their normal counterparts. The development of new tools, together with genomic and computational technologies, has helped to increase our knowledge regarding these cellular changes that drive cancer. Now, we have the capacity to characterize and compare thousands of patient tumors to identify factors that influence cancer behavior. However, it has recently become clear that only a small fraction of tumor cells within a single tumor may have the capacity to divide and sustain tumor growth. Therefore, studying human cancer on a cell-by-cell basis is critical to understand the clinical consequences. In this issue, we address the approaches followed by tumor cells at the different stages of tumor initiation, progression, and metastasis and the clinical relevance.

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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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