Special Issue

Cellular and Molecular Mechanisms of Disease Progression and Resistance to Therapy in Digestive Cancers

Message from the Guest Editor

Digestive cancers are the most common and deadliest malignancies worldwide. Globocan estimates that nearly 5 000 000 new cases were detected in 2020 (including colorectal cancer; stomach cancer; liver cancer; esophageal cancer; pancreas) and 3 500 000 persons died because of these cancers. These poor outcomes are related to a lack of efficient therapeutic tools and early diagnostic markers. This is mandatory to decipher the cellular mechanisms (cell signalling, transcriptional and epigenetic regulation, metabolic reprograming, microenvironment reprogramming) that promote the carcinogenetic sequence. This knowledge will allow improving identification of precancerous lesions and proposing new therapeutic targets. Additionally, innate and acquired resistance to therapy also worsen the efficacy of the drugs, immunotherapy or radiotherapy. A better understanding of these biological responses may help clinicians to propose more efficient therapies.

This Special Issue aims to summarize the current knowledge on molecular mechanisms underlying cancer progression with a special emphasis about resistance to therapy.

Guest Editor

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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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