Special Issue

Redox and Metabolic Profile of Cancer

Message from the Guest Editor

Life is a unity of opposites, and so is the case with aerobic organisms and their evolutionary expansion. With the presence of oxygen, organisms could maximally produce energy in metabolic processes, but reactive species (oxygen, nitrogen, sulfur, etc.) - which are formed as a metabolic ”by”-product, can be lethal - not only damaging major macromolecules but also potentially killing the cell. On the other hand, reactive species play a plethora of regulatory roles within cells and tissues. The evolutionarily conserved interplay between redox and cellular metabolism is strongly manifested in cancer growth. Metabolic reprogramming of the tumor, discovered by Warburg about 100 years ago, is more relevant today than ever before. Nowadays, cancer is considered a metabolic disease, tightly coupled with redox homeostasis and characterized by an extraordinary capacity for redox-metabolic reprogramming. For further reading, please visit the Special Issue website.

Guest Editor

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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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