

## Special Issue

# Epigenetic Regulation of Cell Cycle and Cell Death in Pathogenesis

### Message from the Guest Editors

In multicellular organisms, cell proliferation and death are physiological events with a pivotal role in maintaining cellular homeostasis. During growth, cells undergo a high rate of proliferation both to increase in number and to complete the functionality of all components of the organism and have developed several processes to control the correct balance between the production of “new” cells and the elimination of “old” ones. Defects in intracellular signaling pathways related to cell proliferation and death, lead to altered protein function, which is responsible for the pathogenesis of several diseases such as cancer.

Several studies have highlighted a direct link between epigenetic modifications and aberrant cell proliferation and death pathways. To this aim epigenetic modulator(s) can restore the altered or silenced cellular pathways, representing a promising tool for anticancer treatment.

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### Guest Editors

Dr. Vincenzo Carafa

Prof. Dr. Lucia Altucci

Dr. Rosaria Benedetti

Dr. Laura Della Torre

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### Deadline for manuscript submissions

closed (31 December 2023)



## Cells

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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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### Editors-in-Chief

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