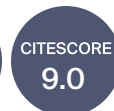




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## Researches on Normal and Cancer Stem Cells

Collection Editor:

**Prof. Umberto Galderisi**

Department of Experimental  
Medicine, University of Campania  
"Vanvitelli", 80138 Naples, Italy;  
Temple University, Philadelphia,  
PA, USA

### Message from the Collection Editor

Dear Colleagues,

Stem cells are characterized by the ability to differentiate into specialized cells and by their self-renewal capacity. Many tissues have the ability to regenerate in physiological conditions or response to injury, this is due to the presence of resident stem cells into specialized areas called niches. Like all other cells, stem cells are subject to genotoxic stress and DNA damage accumulation. These events may have profound consequences on the body's health. Damaged stem cells may be eliminated by apoptosis or they can survive and become senescent cells with a loss of the cell's functions. The senescence of stem cells contributes to organismal aging by reducing tissue homeostasis.

Knowing the mechanisms governing stem cell functions in normal and pathological conditions is of paramount importance for human health. This Special Issue will highlight current knowledge on "normal" and cancer stem cells properties in physiological and pathological conditions. Both original research articles and reviews are welcome.

Prof. Umberto Galderisi



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Biotech Research & Innovation  
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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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## Contact Us

*Cells* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

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