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## Novel Insight into Cell Cycle and Proliferation: Impact on Pathophysiology and Translational Medicine

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Deadline for manuscript  
submissions:

**closed (20 October 2021)**

### Message from the Guest Editor

The proposed Issue is focused on novel pathways involved in the regulation of the cell cycle and proliferation in animal cells. Emerging factors regulating cell proliferation are of interest at this time. The gene encoding for growth factors and cytosolic and membrane proteins may affect the cell cycle inhibiting proliferation or inducing proliferation. Ion channel subunits and transporters, for instance, are some of the latest factors that were demonstrated to be capable of regulating the cell cycle and proliferation. The novel role of kinases and enzymes of the inflammatory cascades that can be targeted regulating cell proliferation is also of interest. The collected “in vitro” data should have translational significance when validated in animal models of diseases, especially cancers and inflammatory based-diseases, or in robust “in vitro” models of diseases. The signaling pathway hypothesis and the mechanism regulating proliferation in normal and disease conditions need to be discovered. We do not include papers related to the epidemiology of disease at this time.



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**Special** Issue



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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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