Special Issue

Mammary Stem Cell Reprogramming and Breast Cancer

Message from the Guest Editor

Alterations in mammary development have been associated with modified breast cancer risk for decades. Recent breakthroughs in stem cell technology, functional genomics, and epigenetics have significantly advanced our understanding of the role of mammary stem and progenitor cells in the transition of the critical stages of mammary development. The changes in mammary stem cell repopulation and dynamics are accompanied by the activation of a plethora pathways, such as Wnt and Notch signaling. Therefore, elucidating the mechanism of mammary stem cell reprogramming and identifying the factors that modulate this process are critical to advancing our understanding of breast cancer etiology and developing targeted chemoprevention strategies against breast cancer. We expect the reports in this Special Issue to facilitate the "decoding" of mammary stem cell reprograming in development and tumorigenesis, which could be applied to breast cancer prevention and treatment. We are looking forward to your contributions to this Special Issue. For further information, 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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