Special Issue

Mammary Gland Stem Cells and the Cells of Origin of Breast Cancers

Message from the Guest Editors

Mammary stem cells (MaSCs) play a key role in the development of breast and carcinogenesis. Mammary cancer stem cells (MaCSCs) are recognized as the root cause of breast cancer progression, recurrence, metastasis, and drug resistance. Accumulating studies have shown that malignant tumors are more likely to originate from the normal stem or progenitor cells, so the regulatory mechanisms in the breast normal stem cells are mostly retained in breast cancer stem cells; however, limited knowledge about the regulation in their self-renewal and difference has been revealed. This Special Issue will focus on diverse studies on origins, heterogeneity, and function of MaSCs and MaCSCs, and especially molecular mechanisms in regulating the self-renewal, differentiation, and transformation of MaSCs and MaCSCs. New technology-based research and preclinical models are also welcomed, such as single cell atlas, joint omics, patient-derived organoids, and animal models. This Special Issue calls for both reviews and original research.

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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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