

Special Issue

Regulatory Processes of RNA in Tumorigenesis of Breast Cancer

Message from the Guest Editor

The progression of solid tumors, including breast cancer, critically relies on phenotypic alterations in cancer cells and their supporting stroma in the tumor microenvironment (TME). These changes are driven by the activation and suppression of transcription programs that enable the formation of a pro-tumorigenic niche that facilitates the growth, neovascularization, and effective suppression of the immune response. While changes in mRNA profiles in tumor and stromal cells have been well characterized with unprecedented granularity, the changes in other RNA modalities such as RNA editing, RNA acetylation splicing, and long non-coding RNAs are largely missing. In this Special Issue, we will focus on different RNA modalities that drive the tumorigenesis of breast cancer in human and mouse models. We will examine the effect of these processes on critical responses in the TME, including immune suppression, angiogenesis, matrix remodeling, and the invasive growth of cancer cells.

Guest Editor

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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