

Special Issue

Roles and Mechanisms of Non-Coding RNAs in Breast Cancer

Message from the Guest Editor

NcRNAs are not only important biomarkers in breast cancer but are considered as promising targets in breast cancer therapy. NcRNAs like miRNAs, lncRNAs, circRNAs, or piRNAs have been shown to regulate cancer-related genes by different mechanisms, either as cellular ncRNAs acting in an autocrine manner or in an endocrine manner transported by the bloodstream when protected by protein binding or by packing into exosomes.

This Special Issue is calling for original work or comprehensive review articles on the role and mechanisms of ncRNAs in breast cancer. Original reports are welcome elucidating the role of single miRNAs, lncRNAs, circRNAs, or piRNAs with identification of specific mRNA targets linked to breast cancer tumorigenesis. Alternatively, studies identifying whole ncRNA sets working cooperatively to enhance or inhibit breast cancer growth are welcome. Of special interest are also circRNAs or exosome-packed ncRNAs, which have turned out to have high stability in the bloodstream, making them versatile non-invasive biomarkers. Finally, any specific strategy targeting oncogenic ncRNAs to inhibit breast cancer progression will be of great interest.

Guest Editor

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