



## Unraveling the Involvement of the Adipose Tissue in Breast Cancer Progression

Guest Editor:

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### Message from the Guest Editor

Breast cancer biology, development and progression depend not only on tumor-cell intrinsic factors but also on its microenvironment and on characteristics of the host. Adipose tissue is now recognized as a fully functioning endocrine organ, acting both in local tissue and systemically. Growing evidence are showing it plays a role in breast cancer progression both at organ and cellular levels. Indeed, epidemiological studies reported an association of obesity with a higher breast cancer risk and poor prognosis, and a cross-talk between breast cancer cells and adipocytes that leads to acquisition of an aggressive tumor phenotype was demonstrated, not only in obesity.

This Special Issue “Unraveling the involvement of the adipose tissue in breast cancer progression” of IJMS aims to collect research on the link between the adipose tissue and breast cancer mainly focusing, but not limited to: molecular mechanisms underlying obesity-cancer relationship; characteristics and function of cancer-associated adipocytes and of adipocytes from obese patients; potential adipose-tissue related targets and treatments which can be used for breast cancer therapy.





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