

Special Issue

Unraveling the Involvement of the Adipose Tissue in Breast Cancer Progression

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.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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