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Molecular Research of Triple-Negative Breast Cancer

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Message from the Guest Editors

Breast cancer is classified on the basis of histological and molecular variability; a subgroup equally heterogeneous is triple-negative breast cancer (TNBC), which shows lost expression of PR, ER and HER2/NEU receptors and a general molecular expression that confers it a particularly metastatic and invasive nature, drug resistance and poor prognosis. Therefore, several subtypes that actually have no specific molecular targets characterize TNBC and, consequently, a feature that makes it difficult to set a valid therapeutic strategy and so, to date, conventional chemotherapy is the only choice.

The Special Issue aims to collect recent results in this context, as:

- Genetic, epigenetic, transcriptional profiles;
- Description of proteomic features and/or biochemical pathways;
- Identification of cancer stem cells and their cross-talk with microenvironment; metabolic reprogramming;
- Effect induced in vitro/in vivo of any (or combination of) drugs;
- Triple-negative breast cancer immunity and metabolic reprogramming;
- Any evidence useful to suggest and define novel molecular target to challenge the aggressive character of TNBC.



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Message from the Editor-in-Chief

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