



Targeting Myeloid-Derived Suppressor Cells in Breast Cancer

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Message from the Guest Editor

During development of solid tumor, tumor cells promote aggregation and expression of MDSCs. MDSCs are proved to suppress cytotoxic T cells and Natural Killer cells. MDSCs could be detected in tumor microenvironment and peripheral blood of tumor-bearing mice or cancer patients. Migration and recruitment of MDSCs, accumulation and expression of MDSCs, differentiation and migration of MDSCs, and suppressive and inhibitory ability of MDSCs are potential therapeutic targeting. Furthermore, immune checkpoint inhibitors, anti-PD-L1/PD-1 or CTLA-4 antibodies, are potentially inhibit MDSCs-promoting tumor metastasis.

In order to improve survival of cancer patients, targeting MDSCs has potential to develop new therapeutic agents for breast cancer. This special issue of *IJMS* welcome original research and review articles. Pre-clinical, translational and clinical studies are all accepted. The focus in this special issue is to understand regulation of MDSCs in breast cancer and develop potential therapeutics.

Keywords:

- tumor microenvironment
- myeloid-derived suppressor cells
- breast cancer
- tumor escape
- immunotherapy





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Message from the Editor-in-Chief

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