

Special Issue

MDSCs in Health and Disease

Message from the Guest Editor

Myeloid-derived suppressor cells (MDSCs) are a heterogeneous population of immature myeloid cells with immunosuppressive functions, particularly on T lymphocytes. They exhibit remarkable plasticity, allowing them to either remain in this suppressive state or differentiate into monocytes/macrophages, dendritic cells, or neutrophils. MDSCs play key roles in physiological processes such as wound healing and the response to acute organ injury. However, they are also implicated in the persistence of chronic inflammation and have been proposed as critical mediators of immunosuppression during viral infections and tumor immune evasion. MDSCs are associated with various pathophysiological conditions characterized by the coexistence of inflammation and immunosuppression. The aim of this Special Issue is to provide a dedicated forum to summarize current knowledge and promote further research into the physiology of MDSCs and their roles in pathophysiology.

Guest Editor

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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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