

Special Issue

The Role of Macrophages in Tumors

Message from the Guest Editor

Tumor-associated macrophages (TAMs) are key innate immune cells in the tumor microenvironment (TME) that regulate growth of primary tumors, anti-tumor adaptive immune response, tumor angiogenesis, extracellular matrix remodeling, intravasation in the vasculature, and extravasation in metastatic sites. TAMs can establish beneficial conditions for metastatic cells in the secondary organs. TAMs interfere with the actions of a number of classical chemotherapeutic agents and are critical for the success of new immunotherapeutic tools. Scavenging, signaling, intracellular vesicular transport, transcriptional, epigenetic, and metabolic mechanisms cooperate to form functional TAM phenotypes and, at the same time, offer new options to develop TAM anti-tumor programming agents. We are pleased to invite you to contribute original papers (full size or brief definite reports) as well as review articles in all fields of tumor-associated macrophages: basic biology and functions, their interaction with cancer cells and other cells in the TME, their role in hematogenous and lymphatic metastasis, TAM interactions with therapeutic agents, as well as TAM biomarkers and functions in cancer patients.

Guest Editor

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Editor-in-Chief

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