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Mechanisms that drive inflammatory tumor microenvironment, tumor heterogeneity, and metastatic progression

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Abstract:

Treatment of cancer metastases has been largely ineffective. It is paramount to understand the mechanisms underlying the metastatic process, of which the tumor microenvironment is an indispensable participant. What are the critical cellular and molecular players at the primary tumor site where metastatic cascade initiates? How is tumor-associated inflammation regulated? How do altered vasculatures contribute to metastasis? What is the dynamic nature or heterogeneity of primary tumors and what are the challenges to catch a moving target? This review summarizes recent progress, mechanistic understanding, and options for metastasis-targeted therapy.

Abbreviations:

APC: adenomatous polyposis coli

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