

Special Issue

Pharmacologic Targeting of the Tumor Microenvironment

Message from the Guest Editor

Progress in our understanding of the complex composition of the tumor microenvironment has revealed the critical influence of stromal cells in the ability of tumors to rapidly grow and metastasize to secondary tissues. Recent research has identified novel signaling mechanisms by which tumor–stroma interactions, facilitate key mechanisms involved in tumor cell proliferation, clonogenicity, migration, adhesion, and invasion. These interactions potentially provide a new set of therapeutic liabilities to target pharmacologically, to refine clinical strategies, and ultimately to improve patient outcomes. Here, we shall discuss the ability of repurposed and novel compounds to modulate tumor–stroma interactions with a focus on the efficacy of pharmacologic agents to impede bidirectional signaling mechanisms required for tumor development and metastatic progression.

This issue of the International Journal of Molecular Sciences is open to both original research and review articles focusing on advances in preclinical evaluation of pharmacologic approaches to modulate the tumor microenvironment in order to inhibit cancer progression.

Guest Editor

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