

Special Issue

Cell Biology of Cancer Invasion

Message from the Guest Editor

The invasion of tumor cells is a prerequisite for metastasis, the most dreadful aspect of cancer. Cancer cells detach from the primary tumor and migrate through the tumor stroma to reach blood vessels, where they intravasate into the bloodstream. After cancer cells arrive at the distant organ, they extravasate and colonize to form secondary tumors. A dense extracellular matrix that acts as a physical barrier exists within the basement membrane, tumor stroma, and blood vessel walls. The invasion of tumor cells is mediated by the formation of cellular structures called invadopodia, dynamic reorganization of the cytoskeleton, secretion and focalization of matrix metalloproteinases, and remodeling of the extracellular matrix. Moreover, tumor microenvironments are known to promote the invasion of tumor cells. Recent advances including genome sequencing, multi-omics analyses, gene-editing technology, and state-of-the-art microscopies have provided new insights into the mechanisms of cancer invasion. This Special Issue invites original research articles and reviews that are related to cell biological aspects of cancer invasion, such as the topics described above.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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