



Biological Imaging in Tumor Microenvironment

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Message from the Guest Editor

The tumor microenvironment comprises a heterogeneous population of tumor cells, immune cells, stromal cells, blood vessels, and extracellular matrix. Biological imaging is one of the most effective techniques for studying tumor microenvironments. Aside from the structure and function, the context information of cells obtained from biological imaging enables spatial analysis. Novel cellular patterns to be uncovered via spatial analysis have the potential to provide new insights. Artificial intelligence (AI) methods, such as deep learning, have revolutionized cell segmentation in biological imaging. Currently, AI-powered spatial analysis on biological imaging is an emerging topic in cancer research. This Special Issue aims to cover new advances utilizing spatial analysis techniques on biological imaging, including but not limited to microscopy imaging, fluorescence imaging, and multiplex imaging, for a better understanding of tumor microenvironments and their applications to tumor diagnosis, prognosis, and treatment decision-making.





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Message from the Editor-in-Chief

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