

Special Issue

Molecular Research on Pancreatic Cancer: From Pathology to Therapy

Message from the Guest Editor

Pancreatic ductal adenocarcinoma (PDAC) is a histopathologically defined tumor entity with extreme heterogeneity, on clinical, histological, and genetic levels. A variety of molecular subtypes with distinctive tumor biologies exist, but current therapies are applied without considering these putative differences. Abundant desmoplastic stroma is the prominent feature of PDAC, which mainly consists of cancer-associated fibroblasts (CAFs), extracellular matrix (ECM), and immune cells. With advanced bioinformatic tools, single-cell and spatial transcriptome analysis on a transcriptional scale have enabled us to analyze cellular heterogeneity and subpopulations within cancer and the stroma compartments. As such, several subtypes of CAFs with distinctive characteristics have been identified. However, this novel knowledge is not yet translated into new therapies for PDAC patients.

In this Special Issue of IJMS, the focus will be on the impact of molecular pathology on patient outcomes by considering the biology of PDAC and new treatment options. Experimental papers sharing new data and up-to-date review articles are welcome.

Guest Editor

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Message from the Editor-in-Chief

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