

Special Issue

Pancreatic Cancer—Challenges and Breakthroughs

Message from the Guest Editors

Pancreatic ductal adenocarcinoma (PDAC) is a very aggressive tumor with a poor prognosis and inadequate response to treatment. Many factors contribute to this therapeutic failure. Despite extensive translational and clinical investigations over the last three decades, meaningful advances in PDAC therapeutics have not been realized.

Significant research strides in recent years have contributed substantially to our understanding of PDAC. These studies have identified key driver mutations, signaling pathways, and tumor microenvironment interactions that promote disease progression, regulate metastasis, and drive therapeutic resistance.

PDAC treatment should be multidirectional since such an approach would reduce chemoresistance, and in this regard, novel therapeutic approaches are being actively investigated. The spectrum of future options is wide, and the research papers and reviews in this Special Issue will cover recent discoveries in PDAC biology, multiple causes of treatment resistance in PDAC, and possible resolutions to this impasse in the near and far future.

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