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Epigenetics of Pancreatic Cancer 2.0

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Deadline for manuscript submissions:
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Message from the Guest Editors

This Special Issue focuses on the role of epigenetics in pancreatic cancer, a dismal disease predicted to be second cause of cancer death by 2030. This aggressive and rapidly disseminated epithelial neoplasm is highly resistant to conventional chemotherapeutic and radiation-based treatments. The past several decades of pancreatic cancer research have yielded a tremendous amount of knowledge about the genetics of tumor cells; however, this knowledge has not translated into significant clinical advances in treatment and prevention. These genetic-based drivers of pancreatic cancer have been well studied in the past three decades, but they do not account for all of the phenotypic and molecular alterations demonstrated by tumor cells. Pancreatic cancer initiation and progression are the result of a heterogeneous and dynamic combination of both genetic and epigenetic mechanisms. With the identification of epigenetic alterations seen in early pancreatic preneoplastic lesions through the development of pancreatic cancer, an inherent complexity is implied in epigenetic changes that occur in parallel to genetic alterations.

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Message from the Editor-in-Chief

In the past years the growth of the epigenetic field has been outstanding, from here the need of a journal where to centralize all new information on the subject. The term epigenetics is now broadly used to indicate changes in gene functions that do not depend on changes in the sequence of DNA. *Epigenomes* covers all areas of DNA modification from single cell level to multicellular organism as well as the epigenetics on human pathologies and behavior.

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