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Cancer Biology, Genomics and Metabolomics

Guest Editor:

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Message from the Guest Editor

Nearly 100 years ago, Otto Warburg discovered and coined the “Warburg Effect”, a metabolic adaptation that increases biomass production and aids in the proliferation of tumor tissue. While our understanding of the metabolic alterations that underly cancer progression has remained relatively stagnant, in the past 20 years research aimed at understanding cellular energetics has exponentially increased. Much of this rise has been facilitated by the advancement of available research technologies, including improved bulk RNA sequencing, better mass spectrometers, and single-cell omics techniques. With this resurgence of research aimed at cancer metabolism, as well as the advancements in technology, this Special Issue will explore basic science, translational and clinical aspects of cancer biology, with a particular emphasis on ‘big data’-producing assays, and their implementation to better understand energy metabolism and metabolic reprogramming.



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Special Issue



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Message from the Editor-in-Chief

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