

Special Issue

Cell-Free DNA as a Biomarker in Metabolic Diseases

Message from the Guest Editor

Cell-free DNA (cfDNA) has emerged as a valuable biomarker for metabolic diseases, offering a non-invasive approach to monitor disease progression, tissue-specific damage, and treatment response. This Special Issue of *Life*, entitled “Cell-Free DNA as a Biomarker in Metabolic Diseases”, aims to present the latest research on the role of cfDNA in the diagnosis, prognosis, and monitoring of metabolic diseases, with a focus on the molecular mechanisms of disease pathogenesis and biomarker discovery. We invite original research and review articles exploring the biological function of cfDNA; the quantity and structure of cfDNA; and cfDNA (hydroxy)methylation, fragmentation patterns, and their correlation with metabolic dysfunction. We particularly encourage studies that employ novel sequencing technologies, bioinformatics approaches, and multi-omics integration in the study of cfDNA. Through this Special Issue, we aim to advance the understanding of cfDNA biology, applications, and its translational potential in precision medicine for metabolic diseases.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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