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Genetic Markers and Liquid Biopsy for Kidney Diseases

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Deadline for manuscript submissions:

closed (15 June 2024)

Message from the Guest Editors

The recent advents of high-throughput functional genomics techniques have allowed us to produce molecular fingerprints that characterize the expressions of genes within different kidney cells. As a result, significant molecular markers have been found among kidney diseases.

However, many kidney diseases are still diagnosed by kidney tissue biopsy. This tissue biopsy is invasive and can introduce some serious complications. Liquid biopsy analyzes biomarkers in bodily fluids. Liquid biopsies are preferable to tissue biopsies. Liquid biopsy technologies based on circulating DNA/RNA, extracellular vesicles and exosomes have been explosive. The analysis by liquid biopsy technology represents a promising new avenue for the diagnosis and prognosis of kidney diseases.

This Special Issue in Genes titled “Molecular Markers and Liquid Biopsy for Kidney Diseases” will provide a monographic portrait of the current advances in molecular biomarkers and liquid biopsy technology for the clinical management of kidney diseases. We especially welcome review articles, new methods, original research studies and short communications of preliminary, but significant, experimental results.



mdpi.com/si/105430

Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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