

Special Issue

Molecular Mechanisms and Treatment of Kidney Diseases

Message from the Guest Editor

Kidney diseases, including nephrotic syndrome, chronic kidney disease, and acute kidney injury, pose a significant and growing global health burden. Despite extensive clinical research, the underlying molecular mechanisms remain incompletely understood. There is an urgent need to investigate how genetic, epigenetic, metabolic, and immune-related factors contribute to the onset and progression of these conditions. Advancing this knowledge is essential for developing effective, targeted treatments for diverse forms of kidney disease. This Special Issue aims to present original research, mechanistic insights, and innovative therapeutic strategies that collectively offer a comprehensive understanding of renal pathobiology at the molecular level. We invite contributions on novel signaling pathways, disease models, and translational biomarkers to advance personalized approaches for kidney disease prevention and treatment.

Guest Editor

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Editor-in-Chief

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