



Autophagy and Kidney Diseases

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Message from the Guest Editor

Kidney diseases represent a significant global health burden, affecting millions of individuals worldwide. Among the various cellular processes implicated in renal health, autophagy is emerging as a critical mechanism involved in maintaining cellular homeostasis.

This project aims to delve into the issue of autophagy in kidney disease, exploring the complexities of autophagy dysregulation and its potential as a therapeutic target. Specifically, the objectives of this issue include characterizing autophagy in renal physiology and in kidney diseases, identifying specific signaling pathways and molecular markers associated with autophagy dysfunction in renal disorders, and examining the diagnostic and prognostic potential of autophagy markers. Moreover, we aim to evaluate therapeutic opportunities for modulating autophagy in the context of kidney diseases. Particular attention will also be given to exploring cutting-edge technologies and methodologies for studying autophagy in the context of kidney diseases, highlighting the role of advanced imaging, omics approaches, and animal models in enhancing our understanding of autophagy in renal pathophysiology.





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Message from the Editor-in-Chief

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