

Special Issue

Immune Reset and Renal Recovery: Novel Insights into Kidney Inflammation and Repair

Message from the Guest Editor

Chronic and autoimmune kidney diseases remain a major global health challenge, often driven by complex immune-mediated mechanisms that lead to persistent inflammation, progressive tissue damage, and organ dysfunction. Traditional immunosuppressive therapies, while effective for some, are frequently associated with relapse, systemic toxicity, and incomplete remission. We welcome original research, reviews that explore the following topics:

- Cell-based immunotherapies in autoimmune kidney diseases;
- B-cell- and plasma cell-targeting strategies for lupus nephritis, vasculitis, and membranous nephropathy;
- In vivo immune reset technologies, including lipid nanoparticle (LNP) delivery and mRNA-based tolerance induction;
- Molecular mechanisms of renal inflammation, including cytokine networks, complement pathways, and innate immune activation;
- Tissue-level insights from single-cell and spatial omics in inflamed or fibrotic kidneys;
- Biomarkers of immune activity, disease progression, and therapeutic response;
- Regenerative strategies that support renal tissue repair and fibrosis reversal;
- Clinical trial updates and translational models for novel immunotherapies in nephrology.

Guest Editor

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Message from the Editor-in-Chief

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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