

Special Issue

Acute Kidney Injury: Molecular Mechanism and Targeted Therapeutic Approaches

Message from the Guest Editor

Acute kidney injury (AKI) is a critical illness with a high mortality rate and often progresses to chronic kidney disease, without cause-specific treatment. Understanding its mechanisms is crucial for identifying biomarkers and developing targeted therapies. In particular, gene therapy, including siRNA, specifically silencing target genes via complementary sequences, has been studied in numerous disease models, with some agents/approaches developing into clinical trials. However, delivering gene-modifying agents to the desired cells has proved to be very challenging. This Special Issue, "Acute Kidney Injury: Molecular Mechanism and Targeted Therapeutic Approaches", invites research and review articles on AKI pathophysiology, biomarkers, and therapeutic strategies. We welcome contributions on preclinical studies and interventions aimed at improving kidney disease outcomes and advancing precision medicine.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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