



Molecular Mechanisms and Biomarkers in Drug-Induced Organ Injury

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Message from the Guest Editor

In the field of nephrotoxicity, serum creatinine is usually examined for use as a conventional marker for renal damage in clinical treatment. However, this biochemical parameter is acknowledged to be non-specific to cover drug-induced kidney injury. Similar to kidney injury, drug-induced liver, lung, and bone marrow injury are often observed in pharmacotherapy and chemotherapy. Therefore, some organ-specific and/or drug-specific biological markers including functional proteins, peptides, nucleic acids, fatty acids, miRNAs, and so on are required to make accurate diagnosis.

Recently, the research area of biomarkers in pharmacology and toxicology has been expanded to find the physiological and pathophysiological significance in molecular-biological processes. With these exciting findings, this Special issue focuses on “Molecular Mechanisms and Biomarkers in Drug-Induced Organ Injury”.





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Message from the Editor-in-Chief

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