



Molecular Mechanisms and Biomarkers in Drug-Induced Organ Injury

Guest Editor:

Prof. Dr. Satohiro Masuda

Division of Clinical
Pharmaceutics, Department of
Pharmaceutical Health Care,
Faculty of Pharmaceutical
Sciences, Himeji Dokkyo
University, Himeji 670-0896,
Japan

Deadline for manuscript
submissions:

closed (31 December 2020)

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”.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI