



## The Road to Tolerance: Molecular Biomarkers for Prediction and Diagnosis of Post-transplant Complications in Liver Transplantation

Guest Editor:

**Dr. Toshiaki Nakano**

1. Graduate Institute of Clinical  
Medical Sciences, Chang Gung  
University College of Medicine,  
Taoyuan, Taiwan  
2. Liver Transplantation Center,  
Kaohsiung Chang Gung Memorial  
Hospital, Kaohsiung, Taiwan

Deadline for manuscript  
submissions:

**30 May 2024**

### Message from the Guest Editor

Dear Colleagues,

Liver transplantation is widely accepted as an effective therapeutic modality for end-stage liver diseases. The results of liver transplantation have improved due to the improvement of perioperative techniques and the introduction of immunosuppressive drugs. However, post-transplant complications are common in the early and long-term period and contribute to significant morbidity and mortality. Therefore, how we precisely predict/diagnose post-transplant complications such as early allograft dysfunction, biliary complications, infection, acute and chronic rejection, and disease recurrence (fatty liver/NASH, hepatitis, fibrosis, cirrhosis, or hepatocellular carcinoma) is a quite important issue for achieving the road to tolerance in liver transplantation. The scope of the Special Issue is to summarize potential biomarkers for prediction and diagnosis of post-transplant complications both in experimental and clinical liver transplantation, and we discuss the future perspectives for tolerance induction in liver transplantation. Original articles and comprehensive reviews in the topic that focus on molecular research are warmly welcomed.





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, CAPlus / SciFinder, and other databases.

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

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI