



## Ubiquitination in Health and Diseases: Volume II

Guest Editor:

**Dr. Tomoaki Ishigami**

Department of Medical Science  
and Cardio-Renal Medicine,  
Yokohama City University  
Graduate School of Medicine,  
Fukuura 3-9, Kanazawa-ku,  
Yokohama, Japan

Deadline for manuscript  
submissions:

**closed (31 July 2022)**

### Message from the Guest Editor

Ubiquitination is a representative, reversible biological process for the post-translational modification of various proteins with multiple catalytic sequences, including ubiquitin itself, the E1 ubiquitin-activating enzymes, the E2 ubiquitin-conjugating enzymes, and the E3 ubiquitin ligase and deubiquitinating enzymes. Since the ubiquitin-proteasome system plays a pivotal role in various molecular life phenomenon, such as cell cycle control, protein quality control, and cell surface expression of ion transporters, its failure causes various diseases such as cancer, neurodegenerative diseases, cardiovascular diseases, and hypertension. In this Special Issue of the *International Journal of Molecular Science*, we would like to invite your contributions in the form of either original research articles or reviews, which addresses the expanding field of mechanic, functional and pharmacological dissections about the physiological and pathological implications of specific ubiquitination reactions.





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 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