

# Special Issue

## RNA Modifications and Epitranscriptomics in Human Disease

### Message from the Guest Editor

Epitranscriptomic changes are important for cell differentiation, sex determination, and stress responses. As well as being non-genetically encoded, they can be reversible and involved in genetic regulation. The recent discovery of writers, readers, and erasers of modifications that affect a diverse range of RNAs and tissues, integrative approaches have been developed for mapping, the modifications, etc. RNA modulation maps and their crosstalk have revealed that they serve as signaling switches, raising suspicions that an epitranscriptomic code governs the post-transcriptional fate of RNA, which contributes to human diseases. Through the development of single-molecule sequencing technologies and antibodies specific to various RNA modifications, transcript-specific epitranscriptomic marks can be discovered across cell types and their abnormalities in disease. Topics of this Special Issue include, but are not limited to:

- RNA modification mapping;
- RNA modifications and RNA structure;
- Methods for profiling and mapping RNA modifications;
- Epitranscriptome in diseases.

---

### Guest Editor

Dr. Yi-Ping Yang

1. Division of Basic Research, Department of Medical Research, Taipei Veterans General Hospital, Taipei 11217, Taiwan
2. Institute of Food Safety and Health Risk Assessment, National Yang-Ming University, Taipei 11217, Taiwan
3. School of Medicine, National Yang Ming Chiao Tung University, Taipei 112304, Taiwan

---

### Deadline for manuscript submissions

closed (15 March 2023)



# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/104335](http://mdpi.com/si/104335)

*International Journal of Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
ijms@mdpi.com

[mdpi.com/journal/  
ijms](http://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.9**  
**CiteScore 9.0**  
**Indexed in PubMed**



[mdpi.com/journal/  
ijms](http://mdpi.com/journal/ijms)

## About the Journal

### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

---

### Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### 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 (Organic Chemistry)

