



Molecular Insights into RNA Diseases

Guest Editor:

Dr. Naoyuki Kataoka

Laboratory of Cellular
Biochemistry, Department of
Animal Resource Sciences,
Graduate School of Agriculture
and Life Sciences, The University
of Tokyo, Tokyo, Japan

Deadline for manuscript
submissions:
closed (31 December 2025)

Message from the Guest Editor

Dear Colleagues,

In higher eukaryotes, a variety of RNAs are transcribed from genomic DNAs. The transcribed RNAs are subjected to many editing processes, followed by transport and eventual translation, often with degradation processes. These processes are rigorously regulated, and their defects and malfunctions often result in human diseases, which are called 'RNA diseases'. It is very important that the successfully uncovered molecular mechanism is a first critical step for the therapeutic approaches to serious diseases.

As the Guest Editor of this Special Issue titled 'Molecular Insights into RNA Diseases', I welcome submissions from many researchers working on various RNA diseases that are caused by any kinds of defects in RNA metabolic processes. The highlight of this topic is the crucial link between basic science elucidating the molecular mechanism for RNA regulation and the applications in the therapeutic approaches for RNA diseases. Articles from investigators studying the potential role of non-coding RNAs in diagnosis are also very welcome. The format of submission in this topic includes original research articles, reviews and methodology articles.





an Open Access Journal by MDPI

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

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.

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)

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