

## Special Issue

# Functional Analysis and Therapeutic Targets of Long Non-Coding RNAs

### Message from the Guest Editor

Long non-coding RNAs (lncRNAs) have emerged as crucial regulators of gene expression and cellular processes, with their dysregulation being implicated in various human diseases. Consequently, lncRNAs have gained significant attention as promising therapeutic targets. The aim of this Special Issue is to provide a comprehensive overview of the latest advances in the functional analysis and therapeutic targeting of lncRNAs, with a particular emphasis on the development of novel lncRNA-based therapies. We welcome original research articles and review manuscripts addressing the following two topics: (a) lncRNA-targeted therapeutics: This Special Issue will highlight the development of novel therapeutic strategies targeting lncRNAs, including approaches that modulate lncRNA function, stability, and localization. (b) lncRNA-based therapeutic modalities: Submissions exploring a wide range of therapeutic modalities for targeting lncRNAs, such as antisense oligonucleotides, small interfering RNAs (siRNAs), CRISPR/Cas9 gene editing, and small-molecule modulators, are highly encouraged.

### Guest Editor

Dr. Hidenori Tani

Department of Health Pharmacy, Yokohama University of Pharmacy,  
601 Matano, Totsuka, Yokohama, Japan

### Deadline for manuscript submissions

20 August 2025



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/206230](https://mdpi.com/si/206230)

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

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



## About the Journal

### 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.

---

### 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

---

### 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)