

Special Issue

Advances in the Translational Preclinical Research

Message from the Guest Editor

Despite significant advances in cancer research, substantial challenges persist in the fight against this disease. Translational preclinical research plays a crucial role in this process by generating essential data to enhance drug efficacy, minimize toxicity, and establish effective management protocols. In the early stages of developing a novel therapy, the drug discovery process focuses on identifying and developing compounds that specifically target validated cancer pathways. Once a lead compound is selected, it undergoes an optimization process to improve its potency, selectivity, and safety profile. Throughout this process, *in silico*, *in vitro*, and *in vivo* experiments are conducted to deepen the understanding of the biological mechanisms underlying the evaluated cancer treatment. This Special Issue seeks to showcase original preclinical research focused on the evaluation of innovative drugs and treatments, also highlighting ongoing efforts to translate scientific discoveries into effective cancer therapies with the potential to benefit patients.

Guest Editor

Dr. Mariano Gabri

Centro de Oncología Molecular y Traslacional, Universidad Nacional de Quilmes, Bernal B1876BXD, Argentina

Deadline for manuscript submissions

20 May 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/241945

*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](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)