

Special Issue

Cancer Suicide Gene Therapy

Message from the Guest Editor

Nonbiological- and biological-based forms of nucleic acid delivery vehicles lending themselves to directed enzyme prodrug therapy (DEPT) comprise the modalities for mediating suicide gene therapy (SGT), which entails the homing of a transgene-enclosing vector (i.e., a delivery vehicle). Given all the difficulties/limitations associated with implementing G-/V-DEPT and the many other forms of DEPT for SGT, the purpose and scope of this Special Issue is to serve as a forum to facilitate the communication of new research findings and sound insights derived thereof obtained from conventional and innovative investigative efforts arising from noteworthy research initiatives that peer into providing/establishing the means for (i) detecting, (ii) measuring, (iii) visualizing (directly), (iv) tracking, and/or (v) any combination thereof, of transgene delivery efficiency, transcript production efficacy (including any post-transcriptional spliced variants), translation of any such RNA into a nascent form of the bio-orthogonal enzyme as well as post-translational modifications rendering the presentation of the transgene-based enzyme into its mature active state.

Guest Editor

Dr. Kenneth S. Hettie

Molecular Imaging Program at Stanford (MIPS), Departments of Radiology (Interventional) and Otolaryngology - Head/Neck Surgery, Stanford University School of Medicine, Stanford, CA, USA

Deadline for manuscript submissions

closed (20 May 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/169613

*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)