

Special Issue

Aptamers

Message from the Guest Editors

Aptamers are oligonucleotides capable of specific, high affinity binding to a wide variety of target molecules. These attributes have led to their application in diagnostics, therapeutics, targeted delivery, fluorescence imaging, as well as biosensing. The methods by which aptamers are selected have been iteratively improved for almost three decades, yielding a robust system capable of producing aptamers rapidly and at low cost with many advantages relative to antibodies. In recent years, there has been an explosion of innovation in aptamer science including enhanced selection techniques, riboswitches, unnatural base pairs, nucleic acid nanostructures, DNAzymes and aptazymes. This Special Issue of *IJMS* will cover a selection of research topics and current review articles highlighting work at the frontiers of aptamer research and applications.

Guest Editors

Dr. Julian Alexander Tanner

Dr. Andrew Kinghorn

Dr. Yee-Wai Cheung

Deadline for manuscript submissions

closed (31 October 2017)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/8280

*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)