

Special Issue

Ephrin Receptors and Cancer

Message from the Guest Editor

The family of RTKs, EPHs, comprises 14 cell-bound members divided into two classes, A and B, based on their sequence similarity and binding affinity to their ligands, ephrins. In a similar manner, ephrins are also cell-bound proteins and include ephrin-A and ephrin-B classes. Nine class A EPHs and five class B bind five ephrin-A and three ephrin-B classes. The EPH system is involved into key regulatory processes of human physiology: it highlights axon guidance and synaptic plasticity in the nervous system, as well as angiogenesis, vascular remodeling, and homeostasis of various tissues. In addition, this cell–cell communication system is implicated in several pathologic processes, including neurodegenerative disorders, viral infections, and cancer. EPHs' upregulation in the pathogenesis of malignant transformation has been reported, suggesting their use as potential biomarkers and drug targets for various cancer types.

Guest Editor

Prof. Dr. Stamatios E. Theocharis

First Department of Pathology, Medical School, National and Kapodistrian University of Athens, Goudi, Athens, Greece

Deadline for manuscript submissions

closed (30 April 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/82082

*International Journal of
Molecular Sciences*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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

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 (Inorganic Chemistry)