

Special Issue

Signal Pathways Involved in Resistance to Apoptosis in Cancer

Message from the Guest Editor

This Special Issue, “Signal Pathways Involved in Resistance to Apoptosis in Cancer”, will cover a selection of recent research topics and current review articles related to the intracellular signaling of resistance to apoptosis in cancer. Up-to-date review articles, commentaries, and experimental papers are all welcome. Programmed cell death or apoptosis is a natural mechanism by which organisms control the number of cells. It plays an important role in embryonic development and maintaining cell homeostasis. The deregulation of apoptosis machinery induces resistance to apoptosis. This resistance is characterized by the inhibition of cell death triggering or delay in cell death unfolding in response to an apoptotic stimulus. Apoptosis resistance plays an important role in tumor development. Uncontrolled cell proliferation combined with resistance to apoptosis is both necessary and sufficient for tumor progression to a malignant phenotype. Although there are several mechanisms by which cells escape apoptosis, the majority of these lead to an inability of the cell to trigger the intrinsic pathway of apoptosis (called the mitochondrial pathway).

Guest Editor

Prof. Dr. Bertrand Liagre

LABC//S UR 22722, Faculté de Pharmacie, Université de Limoges, 87000 Limoges, France

Deadline for manuscript submissions

closed (15 August 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/130813

*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)