

Special Issue

Resistance to Therapy in Ovarian Cancers

Message from the Guest Editor

Ovarian cancers encompass a collection of neoplasms with distinct clinical–pathological, molecular features and prognosis. Most of them are epithelial tumors including high-grade serous ovarian cancers, endometrioid carcinomas, clear cell carcinomas, mucinous carcinomas, and low-grade serous ovarian cancers. Cytoreductive surgery followed by adjuvant platinum-based chemotherapy with or without maintenance therapy (bevacizumab or poly adenosine diphosphate ribosepolymerase (PARP) inhibitors) is the standard of care in most cases. Most patients are initially platinum sensitive, but soon after, they relapse. PARPi benefit patients with homologous recombination deficiency epithelial ovarian cancers by blocking the DNA repair pathways and inducing the apoptosis of cancer cells. However, similar to other chemotherapy agents, PARP inhibitors have different clinical indications and toxicity profiles, and 40–70% of patients experience drug resistance. This Special Issue of IJMS will highlight the recent advances in understanding drug resistance in ovarian cancers. Experimental papers, up-to-date review articles, and commentaries are all welcome.

Guest Editor

Dr. Serena Bonin
DSM-Department of Medical Sciences, University of Trieste, 34149
Trieste, Italy

Deadline for manuscript submissions

closed (20 April 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/138371

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)