

## 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

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### Deadline for manuscript submissions

closed (20 April 2025)



## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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