



Resistance to Therapy in Ovarian Cancers

Guest Editor:

Dr. Serena Bonin

DSM-Department of Medical
Sciences, University of Trieste,
34149 Trieste, Italy

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Message from the Guest Editor

Dear Colleagues,

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.





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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

Message from the Editor-in-Chief

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