

Special Issue

Molecular Research on Gynecological Cancers: Ovarian Cancer, Endometrial Cancer, and Gestational Trophoblastic Disease

Message from the Guest Editors

Ovarian and endometrial cancers are the most prevalent and deadliest gynecological malignancies worldwide, constituting a great challenge for all who participate in patient diagnosis and treatment. Advances in the treatment of gynecological neoplasms have fueled passionate debate in conversations including not only surgeons, oncologists, and radiotherapists, but also other professional figures, such as pathologists, molecular biologists, and geneticists. Thus, multi-disciplinarity has become the ace in the hole in terms of establishing increasingly personalized treatments. Malignant transformation in gestational trophoblastic tumors is likely a multistep process involving multiple genetic alterations, as with other human cancers, and may involve the activation of oncogenes and inactivation of tumor suppressor genes. In this Special Issue, we invite experts in the field to review the current diagnostic, therapeutic, and experimental models of gynecological cancers. We invite the submission of research articles that help to clarify the mechanisms underlying tumor heterogeneity/microenvironment, the diverse molecular signatures of gynecological cancers.

Guest Editors

Dr. Laura Mariuzzi

Dr. Alessandro Mangogna

Dr. Maria Orsaria

Deadline for manuscript submissions

closed (20 June 2025)



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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.

Editor-in-Chief

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