



Molecular Signatures of Gynecological Cancers - Breast Cancer, Ovarian Cancer and Endometrial Cancer

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Message from the Guest Editor

Dear Colleagues,

Gynecological cancers, including breast cancer, are the most frequently diagnosed types of cancer in women. Despite the progress achieved, mortality remains rather high, especially for triple-negative breast cancer (TNBC) and high-grade ovarian carcinoma. Molecular genetic studies have shown a high heterogeneity of gynecological cancers, which indicates different pathogenetic mechanisms. Investigation of underlying biological mechanisms will help to identify new targets for treatment and prognosis. Chemotherapy with cytotoxic agents or targeted therapy to the estrogen receptor and HER2 plays a major role in the systemic therapy of breast cancer. However, poor prognosis in TNBC and drug resistance presents major limitations which are also current challenges for breast cancer. Gynecological cancers such as ovarian, cervical, and endometrial ones also require further investigation.

This Special issue aims at expanding the current knowledge on molecular-genetic mechanisms of gynecological cancers. Experimental *in vitro*, *in vivo*, and *in silico* models in this area are welcome for consideration.

Prof. Dr. Lyudmila F. Gulyaeva
Guest Editor





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