

Special Issue

Gynecological Diseases in Cellular and Molecular Perspectives

Message from the Guest Editors

Gynaecological diseases are a heterogeneous group of conditions of the female reproductive tract, including malignancies, benign tumors, endometriosis, polycystic ovarian syndrome, menstrual disorders, and others. It should be highlighted that they are not only the leading cause of women's mortality worldwide but also lead to significant deterioration in quality of life. Despite the development of new tools in the diagnosis and treatment of gynaecological diseases, the prognosis for patients remains poor, especially in ovarian cancer. In both early diagnosis and the treatment of gynaecological pathologies, it is necessary to investigate the molecular background to deepen the current knowledge and understanding of cellular interactions, including immune checkpoints (PD-1/PD-L1, TIGIT/CD155/DNAM-1, TIM-3/Gal-9 pathways etc.). Molecular profiling, including genomic profiling, microsatellite instability status, tumor mutational burden, immune/molecular biomarkers, and microRNAs, is also predominant for clinical management.

Guest Editors

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Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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