

Special Issue

From Molecular Mechanisms to Treatment Progress of Ovarian Cancer

Message from the Guest Editor

Ovarian cancer remains one of the deadliest gynecologic malignancies worldwide, due to vague symptoms leading to late-stage diagnosis, high recurrence rates, and drug resistance. Understanding molecular mechanisms driving ovarian cancer progression is pivotal to improving diagnosis, prognostication, and treatment. This Special Issue highlights advances in ovarian cancer, including genetic/epigenetic alterations, signaling pathway dysregulation, and tumor microenvironment interactions. Focus on therapeutic opportunities: targeted, immunotherapies, and combination strategies overcoming treatment resistance. Novel biomarkers for early detection, disease monitoring, and therapeutic response prediction are emphasized. Contributions include original research, reviews, perspectives on preclinical models (patient-derived xenografts, organoids), crucial for translational research and drug development. Integrating molecular mechanisms and therapeutic interventions, this Special Issue outlines progress and future directions. Invite manuscripts exploring deciphering molecular pathways, addressing treatment resistance, and proposing improving patient outcomes.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).