Special Issue

Biomarkers in Breast Cancer

Message from the Guest Editors

Breast cancer remains a leading cause of cancer-related mortality in women worldwide, with significant heterogeneity in molecular subtypes, disease progression, and treatment responses. Biomarkers play a crucial role in early detection, prognosis, and personalized therapy, yet challenges persist in translating discoveries into clinical practice. Many candidates require further in vivo validation and assessment in diverse patient cohorts to establish their clinical relevance. Addressing these gaps is essential to integrating biomarkers into precision oncology and improving patient outcomes. This Special Issue of *Cells* invites original research and reviews on emerging breast cancer biomarkers, with a focus on:

- Multi-Omics Biomarkers.
- Liquid Biopsy and Extracellular Vesicles Biomarkers.
- Artificial Intelligence in Biomarker Discovery.
- Tumor Microenvironment and Immune Signatures.

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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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