

## Special Issue

# Molecular Basis and Advances of Targeted Therapy for Breast Cancer: Second Edition

### Message from the Guest Editors

Breast cancer (BC) is the most frequent cancer and the second cause of death by cancer in women worldwide. This Special Issue focuses on translational science in the hopes of shedding light on research focused on “Molecular Basis and Advances of Targeted Therapy for Breast Cancer” and the therapy on breast cancer and overcoming breast cancer therapy resistance. The BC molecular subtype can determine the personalized therapeutic approach, e.g., targeted treatments such as endocrine therapy for HR+ BC or anti-HER2 therapy for HER2+ BC. The mechanisms underlying drug resistance are a good strategy to develop novel treatments for BC. The mTOR/PI3K/Akt pathway is involved in the mechanism of resistance in all BC molecular subtypes, but many data show that resistance results from drug exclusion, drug metabolism, and modification of the drug target due to mutation or overexpression. The editors welcome submissions from researchers involved in basic breast cancer research as well as clinical research. Comprehensive reviews and original papers are both welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 December 2025)



## International Journal of Molecular Sciences

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The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

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