

Special Issue

Molecular Mechanism and Therapeutic Approaches of Breast Cancer, Metastatic Breast Cancer, 3rd Edition

Message from the Guest Editor

Breast cancers are heterogeneous and have a multistep progression at molecular and morphologic levels during tumor development. Metastatic breast cancer is a cancer that originated in the breast, dispersed into the lymph nodes or several other sites, such as the bone, liver, lung, or brain, and acquired genetic and epigenetic alterations in cancer cells. The molecular mechanisms of the epithelial-to-mesenchymal transition (EMT) are therapeutic targets in metastatic breast cancer.

Metastasis is a multistage process that is involved in various epigenetic and post-translational modifications (PTMs) during breast cancer progression and metastasis. The remodeling between the tumor microenvironment and the extracellular matrix (ECM) is also essential for metastasis. Various elements of the breast tumor microenvironment enhance metastatic progression. This Special Issue, aims to provide a platform for obtaining new, deeper insights into the molecular mechanisms and potential therapeutic approaches in cancer. Authors are invited to submit original research and topical review articles on these topics.

Guest Editor

Dr. Mi Kyung Park

1. Department of Cancer Biomedical Science, Graduate School of Cancer Science and Policy National Cancer Center, Goyang 10408, Republic of Korea
2. Department of Bio-Healthcare, Hwasung Medi-Science University, Hwaseong-si 18274, Republic of Korea

Deadline for manuscript submissions

20 September 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/220783

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)