

Special Issue

Recent Advances in Breast Cancer Research, 2nd Edition

Message from the Guest Editor

This Special Issue will provide an updated overview covering all aspects of targeted therapies in breast cancer, from basic science to the clinical trials. In addition, there will be a special focus on potential biomarkers that are predictive for a therapeutic response. Furthermore, new research fields comprise organoid studies and microgravity (μg) research, which is an unusual method to combat the disease. Numerous studies have indicated that μg has a great impact on cancer cells. By influencing proliferation, survival, and migration, it shifts breast cancer cells toward a less-aggressive phenotype. In addition, through the de novo generation of tumor spheroids, μg research provides a reliable in vitro 3D tumor model for preclinical cancer drug development and for the study various processes of cancer progression. In this SI, studies using animal or cell culture models to investigate molecular mechanisms of BC will be published. This SI will also cover reports on patients, providing novel mechanistic insights into the underlying pathogenesis or new aspects that may impact clinical therapy.

Guest Editor

Dr. Daniela Grimm

1. Institute of Biomedicine, Aarhus University, Ole Worms Allé 4, 8000 Aarhus, Denmark
2. Department of Microgravity and Translational Regenerative Medicine, Otto von Guericke University Magdeburg, Pfälzerplatz 2, 39106 Magdeburg, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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