Special Issue

Molecular Genetics of Breast Cancer—Recent Progress

Message from the Guest Editor

Each year, about 30% of all newly diagnosed cancers in women are breast cancers. Breast cancer is likely to be caused by the concurrent effects of different risk factors, including genetic risk factors. On the other hand, this disease could be characterized as an evolutionary process driven by the accumulation of somatic mutations and clonal selection. Therefore, the genetic profiling of breast cancer is essential to improve our understanding of the molecular etiology of this disease. In this field, next-generation sequencing (NGS) technology allowed for not only the identification and validation of novel susceptibility genes, but also the identification of molecular biomarkers and therapeutic targets. This Special Issue will focus on the molecular genetics of breast cancer for improved risk assessment and personalized therapy. We invite researchers to submit original research articles describing novel data. methods, collaborative initiatives and reviews related to these topics.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2025)



International Journal of Molecular Sciences

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mdpi.com/si/196315

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Message from the Editor-in-Chief

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Editor-in-Chief

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