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Breast Cancer Genetics: Diagnostic and Treatment

Guest Editor:

Dr. Carmen Criscitiello

New Drugs and Early Drug
Development for Innovative
Therapies Division, IEO,
European Institute of Oncology
IRCCS, 20141 Milan, Italy

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Message from the Guest Editor

There are many options for treating hereditary breast cancers. Hereditary breast cancers are different from sporadic cancers in ways that can affect treatment choices. Genetic test results may influence some treatment decisions. An inherited gene can increase risk of developing a second breast cancer, so strategies such as removing a woman's breast or ovaries are intended to prevent a future cancer. However, women who have already been diagnosed with breast cancer must also consider how best to treat the existing tumor. There are numerous treatment options for the cancer patient, but there are also implications of genetic test results on cancer prevention strategies for themselves and their family members. More patients are receiving genetic testing when they are diagnosed with breast cancer, with increasingly more sophisticated tests that include a panel of at least 30 different genes, each carrying different risks for future cancers.

In this Special Issue, we welcome reviews, reports of new methods, and original articles covering all aspects of breast cancer genetics from diagnostic to treatment.



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Special Issue



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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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