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Hereditary Breast Cancer: Molecular Mechanisms and Susceptibility Pathways

Guest Editor:

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Deadline for manuscript submissions:
closed (10 March 2021)

Message from the Guest Editor

Dear colleagues,
Fanconi Anemia (FA) is an autosomal recessive or X-linked recessive genetic disease characterized by an enhanced risk of developing cancer. It has been known that four of the FA genes FANCD1/BRCA2, FANCN/PALB2, FANCJ/BRIP1, and FANCO/RAD51C are also hereditary breast cancer genes.

Therefore, this Special Issue focuses on the interaction of both: the Fanconi Anemia pathway, and the molecular mechanisms of breast cancer development with a special focus on hereditary breast cancer.

High risk is conferred by the highly penetrant BRCA1 and BRCA2 genes as well as by other genes such as RAD51C or the Fanconi Anemia genes. Genes for breast cancer that were originally designated as moderately penetrant display higher penetrance than previously thought in families with a hereditary predisposition.

Submissions from all fields of gene mutation in hereditary breast cancer and especially in the FA related genes are invited.

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Editor-in-Chief

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Message from the Editor-in-Chief

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