

Special Issue

HOX Genes in Development and Disease

Message from the Guest Editor

Breast cancer represents one of the most common cancers in women, second only to skin cancer. The mortality risk from breast cancer is 1 in 37 women (2.7%), which makes breast cancer represent the second cause of cancer death in women. Recently, new research works based on previously published work in systemic chemotherapy and endocrine therapy have improved the incidence rates. The quinonic nucleus is common to many natural and synthetic products associated with anticancer and antibacterial activities; these compounds are typically DNA-intercalating agents. The HOX genes control embryonic development and the specific determination of positional identity in the anteroposterior axis of the human body. The HOX genes are 39 transcription factors related to morphological and physiological disease. It has been demonstrated that any deregulation in the network is able to induce neoplastic transformation. Particularly, the HOXC locus in collaboration with the lncRNA HOTAIR plays a key role in breast cancer.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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