



HOX Genes in Development and Disease

Guest Editor:

Dr. Alfredo Procino

Department of Clinical Medicine
and Surgery - Medical School
"Federico II" of Naples, 80131
Naples Italy

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editor

Dear Colleagues,

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.

Dr. Alfredo Procino
Guest Editor





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI