



## Estrogens in Human Cancer

Guest Editors:

**Dr. Giuseppe Carruba**

Unit of Research &  
Internationalization (SIRS),  
ARNAS-Civico, Palermo, Italy

**Prof. Dr. Graeme Williams**

Molecular Medicine Group,  
School of Biological Sciences,  
University of Reading, Reading,  
UK

Deadline for manuscript  
submissions:  
**closed (31 October 2021)**

### Message from the Guest Editors

Estrogens must be considered as a superfamily of pleiotropic regulators of development, structure, function and homeostatic control of a large array of human tissues, organs and systems. Estrogen superfamily is composed by both parent (circulating) hormones, precisely estradiol and estrone, and their metabolic derivatives that are brought about by the activity of metabolizing enzymes in target tissues.

Although estrogens act as physiological regulators, their excess, deficiency and/or alteration of signaling machinery may eventually lead to developing a variety of human diseases, including cancer. In this framework, an integrated knowledge on estrogen signaling and metabolism appears to be essential not only for a deeper understanding of estrogen-related mechanisms underlying various classical (e.g. breast, prostate) and nonclassical (e.g. colorectal, liver, lung) hormone-related tumors, but also to provide an important experimental basis for developing preventive strategies and/or targeted therapies of human cancers.





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 and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI