

Special Issue

Estrogens in Human Cancer

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.

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)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/65235

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

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

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 (Organic Chemistry)