



The Role of Estrogen Receptors in Health and Disease 2.0

Guest Editor:

Dr. Farzad Pakdel

Research Institute in Health,
Environment and Occupation
(Irset), Inserm U1085,
Transcription, Environment and
Cancer Group, University of
Rennes 1, 35000 Rennes, France

Deadline for manuscript
submissions:
closed (30 June 2022)

Message from the Guest Editor

Dear Colleagues,

Estrogens and estrogen receptors (ERs) control a diversity of biological and physiological processes, including the growth, development, and metabolism of reproductive and non-reproductive tissues. The comprehension of the mechanisms underlining ER-mediated effects in the physiopathological processes is the main goal of this Special Issue. Notably, how do ERs control transcription and epigenetic regulations, and interact with intracellular kinases, coregulators of transcription, growth factors, and cellular signaling pathways to regulate cell fate, such as proliferation, differentiation, and apoptosis? What is the role of ligands, including environmental estrogens, in modulating the genomic and non-genomic activity of ERs? What are the consequence of ER mutations or the dysregulation of ER-target genes' profiling in cancer?

In order to provide a comprehensive overview of the molecular mechanisms of ERs, researchers are invited to submit original research, comprehensive reviews, and short communications for this Special Issue, which will cover a selection of topics, highlighting the key roles of ERs in physiopathology.





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