

Special Issue

The Role of Estrogen Receptors in Health and Disease 2.0

Message from the Guest Editor

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.

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

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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