

Special Issue

Hormone Signaling in Cancers and Cancer-Promoting Pathologies

Message from the Guest Editor

The endocrine system and hormones control key physiological processes associated with carcinogenesis. Transported via the bloodstream, hormones have been shown to integrate and coordinate virtually all physiological processes. Hormone signaling is responsible for transcriptional activation and regulation of gene expression, observed during changes in cellular growth, embryonic development, differentiation, and metabolism. Hormone receptors mediate pro-oncogenic functions in several cancer histotypes and trigger molecular programs involved in the regulation of a wide array of biological effects.

This Special Issue aims to address open questions in the regulation and function of hormone receptors in cancers and cancer-related pathologies, and pathways leading to alterations in hormone signaling mechanisms. We propose to submit manuscripts that address the role of hormones in the regulation of energy metabolism, inflammation, and another cancer-linked mechanism of cell transformation. The submission of studies that investigate or discuss epigenetic regulation of hormone signaling in cancers and cancer-preceding pathologies is also welcome.

Guest Editor

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closed (20 April 2025)



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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.

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