

Special Issue

Advances in the Role of Retinoic Acid-Regulated Genes in Cancer Biology

Message from the Guest Editor

Retinoic acid, a metabolite of vitamin A, is an essential nutrient crucial for vision, growth, cell division, reproduction, and immune function. It regulates various cellular processes through retinoic acid receptors such as RXR and RAR. However, during the development of many cancer cells, retinoic acid signaling is often disrupted, suggesting that its suppression may play a role in tumor progression. This Special Issue aims to compile research on how retinoic acid and its derivatives regulate cancer cell growth. The focus is primarily on downstream genes regulated by retinoic acid and their roles in inhibiting cancer cell growth, including mechanisms related to cell proliferation and apoptosis, cancer cell metastasis and invasion, and immune regulation within the tumor microenvironment. These findings contribute to a deeper understanding of the significance of retinoic acid signaling in cancer suppression and may facilitate the development of molecular-targeted therapies. We welcome original research articles and reviews on the molecular mechanisms through which retinoic acid influences the growth of various cancer cells.

Guest Editor

Dr. Fuming Tsai

Department of Research, Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, New Taipei City 231, Taiwan

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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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