

## Special Issue

# Exploring Molecular Interactions and Therapeutic Strategies in Cancer and Inflammation

### Message from the Guest Editor

Molecular, genetic and epigenetic mechanisms are vital to understanding inflammation's role in cancer development and progression. A complex network of pro-inflammatory or anti-inflammatory factors (such as cytokines, chemokines, growth factors, hormones), bacteria, viruses, fungi, parasites, carcinogens, oncogenes, tumor suppressor genes and related molecules cooperate to initiate inflammation, and promote cancer development and progression (especially multi-drug resistance, relapse/recurrence, local invasion and distant metastasis). The network is regulated in response to selective pressure under stress and treatment. The identification and validation of molecular biomarkers and targets have been explored over the years using different and complementary tools from in vivo, ex vivo to in vitro systems, as well as in silico methodologies. A few validated biomarkers and therapeutic targets have encouraged extensive investigations into the molecular and cellular mechanisms implicated in inflammation and cancer.

### Guest Editor

Dr. Xiaoqun Dong

The Liver Research Center, Division of Gastroenterology, Rhode Island Hospital/Lifespan, Department of Medicine, The Warren Alpert Medical School of Brown University, Providence, RI 02903, USA

### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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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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### 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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