



Exploring Molecular Interactions and Therapeutic Strategies in Cancer and Inflammation

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

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Xiaoqun Dong
Guest Editor





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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

Message from the Editor-in-Chief

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