



## Exploring Molecular Interactions and Therapeutic Strategies in Cancer and Inflammation

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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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## Message from the Editor-in-Chief

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