

## 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

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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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Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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