



## Challenges and Advances in Inflammation Related Diagnostics

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### Message from the Guest Editor

Although controlled, intermittent increases in inflammation are useful to maintain homeostasis, protecting against pathogens or promoting repair after tissue injury, acute and especially chronic inflammation underlie many pathological situations. In the last 20 years, scientific breakthroughs have shown that the immune system and inflammatory processes participate in a wide variety of health disorders (both mental and physical). Acute inflammation is generally useful, but when exacerbated in magnitude or when it becomes systemic, it can become detrimental, as in the case of allergic or septic shock. Chronic inflammation, which is considered to always be negative, has been associated with cancer, diabetes, cardiovascular disease, arthritis, neurodegenerative diseases, and asthma, among others. The search for biomarkers and modulators of the inflammatory and immune processes is necessary for monitoring and treating numerous pathologies. In this Special Issue, we seek contributions related to novel biomarkers, modulators, and effectors of inflammatory and immune processes.





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