

Special Issue

Pro-inflammatory and Anti-inflammatory Cytokines in Autoimmune Diseases

Message from the Guest Editor

Cytokines are immunoregulatory proteins which mediate many pathophysiological states. The increased concentration of cytokines in humans causes local and systemic inflammation, which can even lead to death. Inflammatory cytokines are proteins that underlie immune-mediated diseases and contribute to the pathogenesis of autoimmune diseases.

In autoimmune diseases, increased levels of pro-inflammatory cytokines have been found in the serum of affected persons, and are positively correlated with disease severity, suggesting that pro-inflammatory cytokines may be a prognostic marker of autoimmune disorders.

The uncontrolled production of the pro-inflammatory cytokines involved in autoimmunity suggests the need to find new therapeutic targets in order to alleviate the disease.

Some anti-inflammatory cytokines have recently been described to suppress inflammation by nonspecific inhibition of several cytokines and chemokines.

These topics are very intricate, and deserve thorough study.

Guest Editor

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