

Special Issue

Targeting the Complement for the Treatment of Autoimmune and Neurodegenerative Diseases of the Central Nervous System

Message from the Guest Editors

The complement system, an essential arm of innate immunity, has recently gained recognition as a central player in the pathogenesis of autoimmune and neurodegenerative diseases affecting the central nervous system (CNS). Beyond its traditional role in host defense, complement activation orchestrates inflammation, synaptic pruning, and neuronal injury, thereby influencing both immune-mediated demyelination and progressive neurodegeneration. Advances in molecular immunology and neurobiology have deepened our understanding of the intricate interactions between complement activation, adaptive immune responses, and glial cell function. The complement cascade also plays a critical role in microglia-mediated neuroinflammation and blood–brain barrier disruption. We welcome original research articles and comprehensive reviews covering, but not limited to, the following topics:

- Complement biomarkers for disease activity, prognosis, and treatment response;
- Experimental and clinical studies of complement inhibitors in autoimmune and neurodegenerative disorders;
- Emerging therapeutic approaches and clinical trials targeting the complement cascade.

Guest Editors

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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