

Special Issue

Molecular Biomarkers in Inflammatory Diseases

Message from the Guest Editor

Inflammatory diseases, such as autoimmune disorders, inflammatory bowel disease, and sepsis, are driven by dysregulated immune responses and chronic inflammation. Molecular biomarkers play a pivotal role in enhancing our understanding of these conditions, allowing for earlier diagnosis, personalized treatment, and better outcome prediction. In addition to identifying novel biomarkers for early detection and prognosis, the Issue will explore biomarkers predictive of therapeutic responses and drug efficacy. The role of genetic, epigenetic, and transcriptomic markers in defining disease subtypes and pharmacogenomic insights into how individual genetic variations affect drug response are also of interest. Contributions utilizing omics technologies and bioinformatics to uncover molecular signatures that inform pharmacological interventions are encouraged. This Special Issue aims to integrate biomarker discovery with pharmacological research to enhance therapeutic precision and improve clinical outcomes in inflammatory diseases. Contributions from both preclinical and human studies are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2025)



Life

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Impact Factor 3.4
CiteScore 6.0
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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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