

Special Issue

Signatures Underlying Inflammation in the Pathogenesis and Evolution of Chronic Diseases

Message from the Guest Editors

The relationship between inflammation and modern human diseases (e.g., diabetes mellitus, cardiovascular disease, obesity, cancer, renal disease, autoimmune diseases, and others) is still an unsolved mystery in medicine and biology. Inflammation is a protective reaction to detrimental stimuli that inevitably takes a toll on the physiological function of the tissue in which it occurs. Although we have evolved tremendously as a species, the evolution of genetic adaptation and the inflammatory response has not been able to keep up with the rapid changes in our environment, inducing escalating amounts of dissonance between the modern environment and selected traits. As a result, various tradeoffs affecting human physiology are not optimized to the modern environment, leading to heightened disease susceptibility. The aim of this Special Issue is to accommodate a wide variety of original research but also review papers centered on inflammation. Moreover, we wish to integrate various disciplines and areas of study in the medical field so as to convey a novel perspective on this topic.

Guest Editors

Prof. Dr. Liliana-Georgeta Foia

Dr. Maria Alexandra Mârțu

Dr. Minerva Codruta Badescu

Deadline for manuscript submissions

closed (31 March 2025)



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/198406

Diagnostics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

[mdpi.com/journal/
diagnostics](https://mdpi.com/journal/diagnostics)





Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



[mdpi.com/journal/
diagnostics](https://mdpi.com/journal/diagnostics)



About the Journal

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).