

## Special Issue

# Advances in Hematology Laboratory

### Message from the Guest Editor

Complete blood counts (CBC) and leukocyte differential are among the most frequently requested laboratory tests. These analyses are highly automated, and the evolution of automation in the hematology laboratory has enabled not only high throughput, greater reliability, and accuracy in the results, but as automated hematology systems become more sophisticated with the introduction of new physical principles for cellular analysis, also a generation of new parameters to characterize blood cells in more detail. Several parameters have been introduced to CBC, such as nucleated red blood cells, immature granulocytes, immature platelet fraction, as well as new parameters for the detection of ineffective erythropoiesis (reticulocyte hemoglobin, red cell subsets). Leucocyte morphometric parameters (cell population data) aid in the preliminary diagnosis of diseases (i.e., differentiating between abnormal lymphocytes in leukemia and viral conditions) and could be useful to ascertain infection and sepsis, and the discrimination of the etiology.

Different technologies can be used to enumerate platelets, and modern counters can provide not only platelet count,

---

### Guest Editor

Dr. Eloisa Urrechaga

Laboratory, Galdakao-Usansolo Hospital, 48960 Galdakao, Spain

---

### Deadline for manuscript submissions

closed (31 October 2021)



## Diagnostics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.9  
Indexed in PubMed



[mdpi.com/si/74520](https://mdpi.com/si/74520)

*Diagnostics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[diagnostics@mdpi.com](mailto: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).