



*diagnostics*



an Open Access Journal by MDPI

## Advances in Cell-Based Technologies for Precision Diagnostics

Guest Editors:

**Dr. Swee Jin Tan**

Sysmex Asia Pacific Pte Ltd.,  
Singapore 528735, Singapore

**Dr. Ali Asgar Bhagat**

1. Institute for Health Innovation  
& Technology (iHealthtech),  
National University of Singapore  
(NUS), MD6, 14 Medical Drive,  
#14-01, Singapore 117599,  
Singapore

2. Department of Biomedical  
Engineering, National University  
of Singapore (NUS), 4  
Engineering Drive 3, Singapore  
117583, Singapore

### Message from the Guest Editors

This Special Issue aims to spotlight recent developments in cell-based technologies and their pivotal role in shaping the landscape of precision diagnostics. We invite contributions focusing on current laboratory analytical performance and research related to biomedical applications. Additionally, we welcome submissions spanning fundamental cellular analyses, innovative applications of flow cytometry, breakthroughs in immunohistochemistry, and insights from cytogenetic studies. Our goal is to offer an insightful panorama of the dynamic landscape of cell-based diagnostics, highlighting their significance within the realm of general laboratory medicine.

Deadline for manuscript  
submissions:

**closed (31 May 2025)**



[mdpi.com/si/194300](https://mdpi.com/si/194300)

# Special Issue



an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [Inspec](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

## Contact Us

*Diagnostics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/diagnostics](http://mdpi.com/journal/diagnostics)  
[diagnostics@mdpi.com](mailto:diagnostics@mdpi.com)  
[X@diagnostic\\_mdpi](#)