



Biomarkers for Early Detection of Neglected Tropical Diseases (NTDs): Discovery, Validation and POC (Point-of-Care) Devices Implementation

Guest Editor:

Prof. Dr. Adriana Erica Miele

1. Department of Biochemical Sciences, Sapienza University of Rome, Rome, Italy
2. Institut des Sciences Analytiques, UMR 5280 CNRS UCBL, University of Lyon, Villeurbanne, France

Deadline for manuscript submissions:

closed (31 July 2020)

Message from the Guest Editor

The vast majority of NTDs is represented by vector-borne or food-borne parasitic diseases. Usually, NTDs affecting humans are co-endemic, and most of them also have the same early acute symptoms, thus leading to difficulties in precise early diagnosis. Moreover, the clinically available diagnostic tests detect a specific disease at a mid-to-late stage, when most of the chronic/late symptoms have arisen.

Most of the time, field hospitals and dispensaries first give the prophylaxis treatment for the most common parasitic disease in the area and then perform a true diagnosis, thus increasing the risk of complications and mistreatment.

Therefore, there is a great need for cheap and easy-to-use diagnostic tests, the so-called POC, to implement the mass drug administration (MDA) programs of the World Health Organization (WHO).

In this Special Issue we would like to focus on: (i) The research for unique biomarkers in NTDs; (ii) the methodology for biomarkers validation; (iii) the pathway leading from translational research to POC implementation.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)