

Special Issue

Cancer Molecular Imaging 2.0

Message from the Guest Editor

The unraveling of the underlying relevant molecular pathways that drive tumor growth, through genomics, proteomics, single cell analysis, and high throughput phenotypic assays as witnessed in the last three decades, has led to a more personalized, targeted treatment approach of cancer patients. As targeted treatment implies that only a limited number of patients will benefit from a specific type of treatment, adequate selection of these patients prior to treatment initiation is of paramount importance. As opposed to morphological imaging, both single photon emission tomography (SPECT) and positron emission tomography (PET) using specific radiolabeled probes allow for non-invasive whole body imaging of the specific biological and functional characteristics that are being targeted by targeted therapies. Accordingly, the role of SPECT and PET imaging in personalized cancer patient management is increasing. This issue of *Int J Mol Sci* aims to give an update on the current status of PET and SPECT imaging in personalized cancer treatment, focusing on the underlying molecular pathways that are being targeted.

Guest Editor

Prof. Dr. Christophe V. van de Wiele

Department of Nuclear Medicine and Radiology, University Ghent, 9000 Ghent, Belgium

Deadline for manuscript submissions

closed (28 February 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/55967

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)