



Recent Advances in Thyroid Cancer Research

Guest Editor:

Dr. Daniela Grimm

1. Institute of Biomedicine,
Aarhus University, Ole Worms Allé
4, 8000 Aarhus, Denmark
2. Department of Microgravity
and Translational Regenerative
Medicine, Otto von Guericke
University Magdeburg,
Pfälzerplatz 2, 39106 Magdeburg,
Germany

Deadline for manuscript
submissions:
closed (31 March 2022)

Message from the Guest Editor

In recent years, studies in the field of TC have been performed in order to identify and verify thyroid specific biomarkers, as well as cancer-specific changes in gene expression patterns and alterations of the protein content. Furthermore, new drugs, small molecules and antibodies were developed and tested in vitro and in vivo. Trials investigated the ratio between therapeutic and adverse effects. Tyrosine kinase inhibitors (TKI) have become a new therapeutic option for both differentiated and medullary TC. In the last few years, new substances for targeted systemic therapy have been approved after their efficacy was demonstrated in phase III trials. Most of them produced a moderate response. However, adverse effects are common. TKI are used in patients with advanced metastatic, radioiodine (RAI)-refractory TC.

In this Special Issue, studies using animal or cell culture models to investigate molecular mechanisms of TC will be published. This Special Issue will also cover reports on patients, providing novel mechanistic insights into the underlying pathogenesis or new aspects that may impact clinical therapy.





an Open Access Journal by MDPI

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

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.

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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI