

## Special Issue

# Recent Advances in Thyroid Cancer Research

### 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.

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### Guest Editor

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## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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