

Special Issue

Receptors, Transmitters and Signaling Pathways in Thyroid Disorders and Diabetes

Message from the Guest Editors

The incidence of thyroid disease and diabetes has been rapidly increasing in recent decades. The cause of this phenomenon is not clearly established, and many aspects of the pathogenesis of these diseases remain unexplained. The need for an accurate explanation of the molecular basis of diseases such as thyroid cancer, autoimmune thyroid diseases, subacute thyroiditis, and type 1 diabetes mellitus is particularly significant. The abnormal structure or function of receptors, and disturbances in signaling pathways and transmitters involved in pathogenesis of the above-mentioned diseases, is of great importance. Knowledge of these issues can be exceptionally useful in the management of thyroid diseases and diabetes, because it can increase the accuracy of diagnosis and may be used to select patients at risk of the disease or at risk of its unfavorable, more severe course. The aim of this Special Issue is to provide new findings regarding the molecular background of thyroid disorders and diabetes, with special regard to receptors, transmitters, and signaling pathways, which are of key importance in pathogenesis and could improve the diagnosis and/or treatment options.

Guest Editors

Prof. Dr. Andrzej Lewinski

Department of Endocrinology and Metabolic Diseases, Medical University of Lodz, Lodz, Poland

Dr. Magdalena Stasiak

Department of Endocrinology and Metabolic Diseases, Polish Mother's Memorial Hospital Research Institute, Lodz, Poland

Deadline for manuscript submissions

closed (31 December 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/22229

*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)