

Special Issue

Genetic Testing and Tailored Treatment for Thyroid Disorders: Molecular Basis and New Trends

Message from the Guest Editor

Thyroid diseases are a group of common endocrine disorders. Recent advances in genetic research have unveiled the complex genetic architecture of thyroid diseases, offering new insights into disease pathogenesis and opening new avenues for personalized medicine. This Special Issue focuses on the latest developments in the genetic basis and emerging therapeutic approaches for thyroid diseases. Genetic epidemiology: in-depth analysis of genetic variants and risk factors associated with various thyroid diseases;

Functional genomics: elucidation of the molecular mechanisms underlying thyroid disease-associated genetic variants;

Personalized medicine: development and implementation of individualized treatment strategies based on genetic information, including targeted therapies, gene therapy, and precision medicine;

Novel therapeutic targets: identification and validation of novel therapeutic targets for thyroid diseases, with a focus on druggable genes and pathways. This Special Issue seeks to offer a thorough understanding of the current state of knowledge in the field of thyroid disease genetics and encourage additional research in this rapidly advancing field.

Guest Editor

Dr. Kyoung Sik Park

Department of Surgery, Konkuk University Medical Centre, Konkuk University School of Medicine, 120 Neungdong-ro, Gwangjin-gu, Seoul 143-729, Republic of Korea

Deadline for manuscript submissions

closed (20 November 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/198342

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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