



Thyroid Nodule: Updates on the Molecular Mechanism and Diagnosis

Guest Editor:

Dr. Emanuele David

Radiology Unit 1, Department of
Medical Surgical Sciences and
Advanced Technologies "GF
Ingrassia", University Hospital
"Policlinico G. Rodolico",
University of Catania, 95123
Catania, Italy

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editor

The Special Issue "Thyroid Nodule: Updates on the Molecular Mechanism and Diagnosis" focuses on the growing importance of characterizing thyroid nodules with maximum accuracy.

The incidence of thyroid cancer is increasing rapidly worldwide, although its mortality rate remains flat. Thyroid nodules occur commonly in the general population, mostly as incidental findings at ultrasound evaluation, which is the first examination method used for neck imaging. However, although ultrasound is an established and very sensitive method for detecting thyroid nodules, and superior to clinical physical palpation, it has a relatively low diagnostic performance when it comes to differentiating between benign and malignant nodules.

The purpose of this Special Issue is to analyze the molecular mechanisms underlying the formation of thyroid nodules and to take stock of the updates present in the most recent literature regarding a more precise instrumental diagnosis, combining new experiments.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research

Learning, Spaulding

Rehabilitation Hospital and

Massachusetts General Hospital,

Harvard Medical School, Boston,

MA 02114, USA

2. Department of Epidemiology,

Harvard T.H. Chan School of

Public Health, Boston, MA 02115,

USA

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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](#), [CAPUS / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](#)