

Tentative Outline (Preliminary Proposal of Thematic Issue)

Special Thematic Issue for the journal : Endocrine, Metabolic & Immune Disorders - Drug Targets

Title: MOLECULAR CHARACTERIZATION OF THYROID NODULES: IMPLICATIONS FOR CLINICAL MANAGEMENT

Sectional Editor: EUGENIA YIANNAKOPOULOU

• **Scope of the Thematic Issue:**

It is well known that thyroid nodules are frequently detected in the adult population and are mostly characterized by benign lesions (up to 70% of them), with only 5%–15% malignant lesions. Despite that fine needle aspiration biopsy truly characterizes benign and malignant nodules, clinical dilemmas persist for the optimal management of the intermediate categories according to the different classification systems. Recent knowledge of specific genetic alterations in the field of thyroid pathology have opened the avenue in a more accurate diagnosis in the field of thyroid nodules. The Scope of the thematic Issues will be to integrate current evidence on the role of the molecular characterization of thyroid nodules in the clinical decision.

Keywords: THYROID NODULES, MOLECULAR CHARACTERIZATION, INDETERMINATE BETHESDA CATEGORIES, DRIVER MUTATIONS GENE FUSIONS, GENETIC TESTS.

Sub-topics:

- THYROID NODULES AND DRIVER MUTATIONS
- THYROID NODULES AND GENE FUSIONS
- IMPACT OF MOLECULAR TESTS ON SURGICAL DECISION
- IMPACT OF NEXT GENERATION SEQUENCING ON SURGICAL DECISION.

Schedule:

- ✧ Complete Thematic issue submission deadline: Feb- 2023

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