

Special Issue

The Cross-Knit between Immune Cells and Thyroid Function in Autoimmune Thyroid Disorders

Message from the Guest Editors

Autoimmune thyroid disorders, which include chronic autoimmune thyroiditis (CAT) and Graves' disease (GD), represent the most common organ-specific autoimmune diseases. In CAT, the immune infiltration of the thyroid gland causes follicular cell damage and hypothyroidism, whereas the synthesis of antibodies stimulating the thyrotropin receptor induces thyrocyte hyperplasia and hyperthyroidism in GD. The influence of thyroid hormones on immune cells' activation, phenotype, and function has emerged in preclinical studies. However, the mutual effect of high/low thyroid hormone levels in the progression and perpetuation of autoimmunity has not been clarified yet. Given the absence of treatments for both hypo- and hyperthyroidism able to target the underlying immune process, this crosstalk might be crucial for the development of new therapeutic approaches. We therefore invite researchers working in the fields of immunology and endocrinology to submit original research articles or reviews discussing the most recent advancements on this topic.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2024)



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