

Special Issue

Mechanisms of Thyroid Hormone Signaling in Human Pathophysiology

Message from the Guest Editors

The synthesis and release of thyroid hormones (THs, T3 and T4) are strictly regulated by their central and peripheral levels, thereby adjusting the final availability of THs in the target cells. A new paradigm has ascertained that the combination of TH genomic and non-genomic actions reveals the variety of the physiological and pathological actions of these pleiotropic hormones. Although research over recent decades has provided a plethora of demonstrations of TH-dependent actions in multiple physiological systems, our understanding of the global picture of TH action still remains largely uncertain. This Special Issue is devoted to reviewing the current knowledge and novel discoveries of the genomic and non-genomic actions of THs in different physiological and pathological conditions.

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